748 1500	689 GTCCTTAGAAGTCACTGAGGTGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCA	
688 1560	629 GGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCA	
628 1620	569 AAGCAT 679 AAGCAT	Оу 5 рь 16
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508 1740	449 CCTCGCCCCAACCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGG	Qy 4 Db 17
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208	149 GAAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCC	Qу 1 рь 20
148 2100	89 TGCTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAA 	Qу Вь 21
88 2160	29 CCAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGAC	
1ps 1;	ry Match 80.9%; Score 1310.4; DB 6; Length 2528; t Local Similarity 99.5%; Pred. No. 0; ches 1325; Conservative 0; Mismatches 6; Indels 1; Ga	
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                              CDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Institute for Systems Biology
http://www.systemsbiology.org
                                                                                      NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                                                                                               Submitted (25-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
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Galvin,K.A. and Rudolph-Owen,L.A. Methods and compositions for the diagnosis and cardiovascular and tumorigenic disease using 45 Patent: WO 0181634-A 3 01-NOV-2001; Millennium Pharmaceuticals, Inc. (US)
                                                                                                                                                 Sequence 3
AX319944
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                                                                          Craniata; Vertebrata;
Catarrhini; Hominidae;
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CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
                                         CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA
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Sequence 15 from Patent W00193983.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Query Match

Best Local Similarity

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                                                                                                                  /rpt_family="Alu"
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34271. 34348
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32667.
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32053. .32080
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34409. .34703
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34079. .34164
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27926. .28052
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23967. .24256
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21300. .21325
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26417. .26463
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20618. .20756
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8834. .28958
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)3. .27671
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7. .32787
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8. .25208
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S CGGGTACCAGTCTTTTAAGGGCCAAGGCCAAAAAAGGGGAAGTTCTGCATCAGCCCTLIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Qy 1246 Db 119666	118 11972	112	Qy 1066 Db 119845	Qy 1006 Db 119905	Qy 946 Db 119965	Qy 886 Db 120025	Qy 821 Db 120081	76 12014	12020	Qy 64 Db 12026	у 58 b 12032	Qy 52 Db 12038	Qy 46 Db 12044	Qy 40 Db 12050	Qy 34 Db 12056	Qy 28 Db 12062	Db 12068
	CCGGAAGTAGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCG 	GGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATCATGT 	GCACAGCACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAG 	GGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGGGACAGGCGG 	GGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTG 	GGGCCTCGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTT(GGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTA 	AGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAA	GTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTC	AGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCAI	CCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	TCAGCCTGACTGAATTTTCAGTATGTACTTGAAGGAAGGA	GTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGGATCTTGAATAAA 	CACCTCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGAGTC	ARGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTGGCCCCCAACCCC	GCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCT	CACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTC	CGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCA

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                                                                                                              Direct Submission

Direct Submission

Submitted (09-JAN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6: On Aug 9, 2001 this sequence version replaced gi:14488388.

On Aug 9, 2001 This sequence Center

This sequence Center Genome Sequencing Center
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Homo sapiens BAC clone RP11-258B17
AC079773
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Submitted (10-SEP-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Waterston, R.H.
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Shah, N., Meyer, R., Boyer, E. and Dignan, G.
The sequence of Homo sapiens BAC clone RP11-258B17
Unpublished (2001)
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Sulston, J. E. and Waterston, R.
Toward a complete human genome sequence
Genome Res. 8 (11), 1097-1108 (1998)
                                                                                                                                                                                                                                                                                                     Submitted (09-AUG-2001) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo.
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Center project name: H_NH0258B17
                                Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
------ Summary Statistics
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality > 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest. This sequence was finished as follows unless otherwise noted:

Mapping information for this clone was provided by Dr. John McPherson, Department of Genetics, Washington University, St MAPPING INFORMATION: St. Louis

> sequence, see http://genome.wustl.edu/gsc For additional information about the map position of this

SOURCE INFORMATION:
The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute (http://bacpac.med.buffalo.edu)

NEIGHBORING SEQUENCE INFORMATION:
The clone sequenced to the left is RP11-1L22; the clone sequenced to the right is RP11-159N20, 2000 bp overlap. Actual start of the clone is at base position 1 of RP11-258B17; actual end is at base position 60003 of RP11-159N20. this

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/rpt_family="(TG)n"
/rpt_family="0305
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11961. .11969
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16629. .16712
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18933. .19074
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15532. .15842
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l. .129676
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19260. .1962
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19144. .19250
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18434. .18801
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                                                                                                                     CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 300
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                                                          CGGGCCAAGGAAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Secretory protein or membrane protein Patent: EP 1067182-A 203 10-JAN-2001; Helix Research Institute (JP)
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/db_xref="GI:14272688"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and
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Matsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda,K.,
Wagatsuma,M., Murakawa,K., Kanehori,K., Takahashi Fujii,A.,
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Otsuki,T., Sato,H., Wakamatsu,A., Ishii,S., Yamamoto,J., Isono,Y.,
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/clone_lib="BRALZ2"
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   IDENTITY_NUC Gapop 10.0 , Gapext 1.0
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1619
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Copyright (c) 1993 - 2002 Compugen Ltd.
em_htgo_hum:*
em_htgo_mus:*
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                           em_htg_pln:*
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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uenc	28436	100419 Kattus n	103410 Pattice	A COMMON SE	OCIOC HOMO Sal	01796 Homo Sa	429315 Homo sap	194356 Sequenc	107256	271 H.sapien	32688 Homo s	3642 Human G	00206 Macac	63120 Peptide d	37240 Novel phy	I66494 Sequence 1	9 6	CNA enco	7 Mu	Homo sa	4 Rattus	Rattus		Rattus	I Sequenc	93381 Sequenc	50120 Sequenc	3669	10070 0044110 00	319942 Sequenc	24493	17318 Homo	041649 Mus mu	11449 Homo sa	319944 Sequenc	362255 S	358763 600000	773 Homo es	94501 HOMO SA		scripti

ALIGNMENTS

REFERENCE	ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION		DEFINITION	Locus	AK094501	RESULT 1
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	clone:BRALZ2001350.	Homo sapiens alzheimer cortex CDNA to mRNA. Clone lib. RRAI.77	oligo capping; fis (full insert sequence)	AK094501.1 GI:21753575	AK094501	to Homo sapiens Gz-selective GTPase-activating protein (RGS20) mRNA.	iens cDNA FLJ37182 fis, clone BRA	AK094501 1832 bb mRNA linear bbt 15- mrt - 2002		

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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
TYPE: DNA
ORGANISM: Homo sapiens
US-10-172-039A-156
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US-10-145-016A-156
; Sequence 156, Apr
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PRIOR APPLICATION NUMBER: 60/064249

PRIOR APPLICATION NUMBER: 60/065311

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-33

PRIOR FILING DATE: 1997-11-21

PRIOR FILING DATE: 1997-11-21

PRIOR PILING DATE: 1997-11-21

PRIOR PILING DATE: 1998-03-10

PRIOR APPLICATION NUMBER: 60/077632

PRIOR APPLICATION NUMBER: 60/077641

PRIOR APPLICATION NUMBER: 60/077641

PRIOR APPLICATION NUMBER: 60/077641

PRIOR APPLICATION NUMBER: 60/077641

PRIOR APPLICATION NUMBER: 60/077649

PRIOR APPLICATION NUMBER: 60/077649

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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ashkenazi, Avi APPLICANT: Baker Kevin P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   watch 1.4%; Score 23; DB 6; Length 2680; Local Similarity 100.0%; Pred. No. 0.057; les 23; Conservative 0; Mismatches 0; Indels
                     Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Shelton, David L.
Stewart, Timothy A.
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Botstein, David
Desnoyers, Luc
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Kljavin,
                                                                                                                                  Gerritsen, Mary E.
                                                                                                                                                                                                                      Ferrara, Napoleon
Filvaroff, Ellen
                                                                                                                                                                               Gao, Wei-Qiang
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                                                                                                                                                                                                      Sherman
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Search completed: November Job time: 106.231 secs

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CURRENT APPLICATION NUMBER: US/10/145,016A
CURRENT FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 09/91858
PRIOR ETLING DATE: 2001-07-30
PRIOR PELICATION NUMBER: 60/662250
PRIOR PELICATION NUMBER: 60/662250
PRIOR PELICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR PELICATION NUMBER: 60/065311
PRIOR PELICATION NUMBER: 60/065311
PRIOR PELICATION NUMBER: 60/06364
PRIOR PELICATION NUMBER: 60/06364
PRIOR APPLICATION NUMBER: 60/077450
PRIOR PELICATION NUMBER: 60/077450
PRIOR PILING DATE: 1997-11-21
PRIOR PELICATION NUMBER: 60/077450
PRIOR PILING DATE: 1998-03-10
PRIOR PILING DATE: 1998-03-10
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR FILING DATE: 1998-03-12
                                                                                                                                                                                                                                                       Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
                                                                                                                 Query Match
Best Local
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APPLICANT:
                                                                                              Matches
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                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
                                               1597 TGTAAAAAAAAAAAAAAAAAAA 1619
2655 TGTAAAAAAAAAAAAAAAAAA 2677
                                                                                           Local Similarity 100.0%; Figs 23; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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                                                                                                                      1.4%; Score 23; DB 6; 100.0%; Pred. No. 0.057;
                                                                                              Mismatches
                                                                                              0; Indels
                                                                                                                                               Length 2680;
                                                                                                0;
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; LENGTH: 2680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-165-353-156
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US-10-170-481A-156
                                                                                                                                                                                                                                                                                                                   Sequence 156, Application US/10170481A GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
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LENGTH: 2680
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Remaining Prior Application data removed - See File Wrapper or PALM.
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PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/077450
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PRIOR FILING DATE: 1997-11-21
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            1597 ТСТААЛАЛАЛАЛАЛАЛАЛАЛАЛ 1619
                                                                                                                                                                                                                                                                                                                                                                                                                         2655 TGTAAAAAAAAAAAAAAAAA 2677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 100.0%; Pred. No. 0.0 ces 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/077649 FILING DATE: 1998-03-11
                                                                                                                               Fong, Sic....
Gao, Wei-Qiang
                                                                                                                                                                                                                                   Baker Kevin P.
Botstein, David
Desnoyers, Luc
             Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
                                                                                                        Gerritsen, Mary E.
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Kljavin, Ivar J.
                                                                                        Goddard, Audrey
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Stewart, Timothy A.
Tumas, Daniel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.4%; Score 23; DB 6;
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В
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US-10-172-039A-156
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
                                                                                                                                                                                                                                                                                                        Sequence 156, Application US/10172039A GENERAL INFORMATION:
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APPLICANT:
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SEQ ID NO 156
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APPLICANT:
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PRIOR ETLING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60,077791
PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
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CURRENT APPLICATION NUMBER: US/10/170,481A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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TYPE: DNA
ORGANISM: Homo sapiens
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nes 23; Conservative
                                                                                                                                                                                                                                 Baker Kevin P.
Botstein, David
Desnoyers, Luc
                                                                                                                                                                                                                                                                                         Ashkenazi, Avi
                                                 Godowski, Paul J.
Grimaldi, J. Christopher
                 Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J
                                                                                      Goddard, Audrey
                                                                                                        Gerritsen, Mary E.
                                                                                                                         Gerber, Hanspeter
                                                                                                                                             Gao, Wei-Qiang
                                                                                                                                                            Fong,
                                                                                                                                                                               Filvaroff, Ellen
                                                                                                                                                                                                Ferrara,
                                                                                                                                                                                                                     Eaton, Dan
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Wood, William
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                                                                                                                                                              Sherman
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100.0%; Pred. No.
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. 0.057;
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; LENGTH: 2680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-162-522A-156
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US-10-165-038A-156
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Best Local S
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 2001-07-30
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APPLICANT:
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PRIOR FILING DATE: 1998-03-12
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                                                                                                                                                                                                                                                                                     Ashkenazi, Avi
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Wood, William I
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                                                                                                                                                                                                                              Baker Kevin P.
Botstein, David
Desnoyers, Luc
                Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Filvaroff, Ellen
                                                                                   Goddard, Audrey
                                                                                                     Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                         Gao, Wei-Qiang
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Kljavin,
                                                                                                                                                        Fong,
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                                                                                                                                                              Sherman
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100.0%; Pred. No.

 Mismatches

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0.057;
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/91858
PRIOR APPLICATION NUMBER: 09/91858
PRIOR TILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR PILING DATE: 1997-11-03
PRIOR PILING DATE: 1997-11-13
PRIOR PILING DATE: 1997-11-13
PRIOR PILING DATE: 1997-11-13
PRIOR PILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/06364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/0670450
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US-10-165-353-156
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
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APPLICANT:
APPLICANT:
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                                                          APPLICANT: Ashkenazi, Avi
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Stewart, Timothy A.
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Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
                                                            Goddard, Audrey
Godowski, Paul J
Grimaldi, J. Christopher
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Eaton, Dan
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Botstein, David
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US-10-145-092A-156
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PRIOR FILLING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILLING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR APPLICATION NUMBER: 60/077791
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR FILING DATE: 1998-03-12
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Best Local :
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
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APPLICANT: Baker Kevin P
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1597 ТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛ 1619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/065311 FILING DATE: 1997-11-13
                           Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                      Baker Kevin P.
Botstein, David
Desnoyers, Luc
                   Kljavin,
                                                                                                                                                                  Gao,
                                                                                                                                                                              Fong,
                                                                                                                              Gerritsen, Mary E.
                                                                                                                                             Gerber, Hanspeter
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Stewart, Timothy A.
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                                                                                                                                                                  Wei-Qiang
                                                                                                                                                                                    Sherman
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.4%; Score 23;
100.0%; Pred. No.
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US-10-162-522A-156
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PRIOR APPLICATION NUMBER: 99/918585
PRIOR EPLING DATE: 2001-07-30
PRIOR EPLING DATE: 2001-07-30
PRIOR EPLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR EPLING DATE: 1997-11-13
PRIOR EPLING DATE: 1997-11-13
PRIOR EPLING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/065364
PRIOR APPLICATION NUMBER: 60/065364
PRIOR APPLICATION NUMBER: 60/065364
PRIOR APPLICATION NUMBER: 60/065364
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR FILING DATE: 1998-03-11
PRIOR FILING DATE: 1998-03-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
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               Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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 Kljavin,
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                                                                                                            Gerritsen, Mary E.
                                                                                                                              Gerber, Hanspeter
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Desnoyers, Luc
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                                                                                                                                                                    Sherman
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Ivar J
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100.0%; Pred. No.
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0.057;
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RESULT 37
US-10-145-087A-156
; Sequence 156, Application US/10145087A
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LENGTH: 2136
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
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PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
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PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
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PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
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PRIOR FILING DATE: 1997-10-21
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PRIOR FILING DATE: 1997-09-18
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APPLICANT: Baker Kevin P
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ORGANISM: Homo Sapien
 APPLICANT:
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Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
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Botstein, David
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100.0%; Pred. No. 0.058;
ative 0; Mismatches
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; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-10-145-087A-156
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
                                                                                                                                                                                                                                                                                                                             RESULT 38
US-10-143-031A-156
US-10-143-031A-156
; Sequence 156, Application US/10143031A
; GENERAL INFORMATION:
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SEQ ID NO 156
LENGTH: 2680
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CURRENT FILING DATE: 2001-10-18
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PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
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PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1597 ТGТАВАВАВАВАВАВАВАВАВАВ 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                            2655 TGTAAAAAAAAAAAAAAAAAAAA 2677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
nes 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/077649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/077791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Williams, P. Mickey Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kuo, Sophia S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Paoni, Nicholas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pan, James;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Napier, Mary A.
                                                                                                                                                                     Fong,
                                                                                                                                                                                         Ferrara, Napoleon Filvaroff, Ellen
  Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
                                                        Godowski, Paul J.
Grimaldi, J. Christopher
                                                                                                             Gerber, Hanspeter
Gerritsen, Mary E
                                                                                                                                                                                                                                                                    Botstein, David
                                                                                                                                                                                                                                                                                          Baker Kevin P.
                                                                                                Goddard, Audrey
                                                                                                                                                     Gao, Wei-Qiang
                                                                                                                                                                                                                                    Eaton, Dan
                                                                                                                                                                                                                                                  Desnoyers, Luc
Kljavin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Daniel
                                                                                                                                                                             Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1998-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.4%; Score 23; DB 6; Length 2680; 100.0%; Pred. No. 0.057; ative 0; Mismatches 0; Indels
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RESULT 35
US-10-165-353A-136
Sequence 136, Application US/10165353A
GENERAL INFORMATION:
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US-10-125-923A-53
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                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 53
LENGTH: 1998
               APPLICANT: Ashkenazi, Avi
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                                                                                                                                                                                                                                                                                                                                                                                Remaining Prior Application data removed - See File Wrapper or PALM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/063544 PRIOR FILING DATE: 1997-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/125,923A CURRENT FILING DATE: 2002-01-15
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                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: P3430R1C79
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                                                                                                                                         1974 TGTAAAAAAAAAAAAAAAAAA 1996
                                                                                                                                                                          1597 ТСТААААААААААААААААААА 1619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1597 TGTAAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                Local 23;
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1.4%; Score 23; DB
Local Similarity 100.0%; Pred. No. 0.0
1es 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1997-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/063486
FILING DATE: 1997-10-21
APPLICATION NUMBER: 60/063540
FILING DATE: 1997-10-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/062250
FILING DATE: 1997-10-17
APPLICATION NUMBER: 60/063120
FILING DATE: 1997-10-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/063541
                                                                                                                                                                                                                                     Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Watanabe, Colin K. Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/10125923A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gurney, Austin L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chen, Jian
                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                           1.4%; Score 23; DB 6; Length 1998; 100.0%; Pred. No. 0.058;
                                                                                                                                                                                                                  0;
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                                                                                                                                                                                                            0,
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                                                                                                                                                                                                          0;
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           RESULT 36
US-10-125-923A-227
Sequence 227, Application US/10125923A
GENERAL INFORMATION:
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APPLICANT: Baker, Kevin P.
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US-10-165-353A-136
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SEQ ID NO 136
                                                                                                           Query Match
                                                                           Matches
                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1998-03-1;
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C40
                                                                                                                                                        TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/077450 PRIOR FILING DATE: 1998-03-10
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                                   1597 ТСТАААААААААААААААААААА 1619
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1974 ТСТААААААААААААААААААА 1996
                                                                                                                                                                                                 LENGTH: 1998
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                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/077791
                                                                           23;
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Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Williams, P. Mickey Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shelton, David L.
Stewart, Timothy A.
                                                                 1.4%; Score 23; DB illarity 100.0%; Pred. No. 0.0 Conservative 0; Mismatches
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Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kljavin,
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Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Goddard, Audrey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kuo, Sophia S.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ivar J.
                                                                                                                                                                                                                                                                                                                         60/077649
                                                                                                         DB 6;
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                               SEQ ID NO 136
LENGTH: 1998
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/145,088A CURRENT FILING DATE: 2002-10-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                 PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-12
                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/064249 PRIOR FILING DATE: 1997-11-03
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                                                              Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 624
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1597 TGTAAAAAAAAAAAAAAAAAAAA 1619
ORGANISM: Homo sapiens
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Filvaroff,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Williams, P. Mickey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni,
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Baker Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/10145088A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   James;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sophia S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wei-Qiang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nicholas F.
                                                                                                                                                                                                                                                                              1997-11-21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Napoleon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.4%; Score 23;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ellen
                                                                                                                                                                                                                          60/077632
                                                                                                                     60/077791
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                                                                                    See File Wrapper or PALM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
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                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/145,129A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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                                   SEQ ID NO 136
LENGTH: 1998
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                                                                                                                                               PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: P2630P1C51
                                                                      Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
                                                                                                                         PRIOR APPLICATION NUMBER: 60/077791
                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
                                                                                                           PRIOR FILING DATE: 1998-03-1
                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/066364
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Napier, Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kljavin,
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100.0%; Pred. No.
tive 0; Mismatcl
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PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
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US-10-172-039A-136
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                                    Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624 SEQ ID NO 136 LENGTH: 1998
                                                                                                      PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
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                                                                                                                                           PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/172,039A CURRENT FILING DATE: 2002-10-10
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PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR PPLICATION UNMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
ORGANISM: Homo sapiens
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                                                                                                                                                      APPLICATION NUMBER: 60/077641
FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/077649
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
Gurney, Austria
Hillan Vonath I.
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Gerritsen, Mary E.
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Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nicholas F.
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CURRENT APPLICATION NUMBER: US/10/145,016A
CURRENT FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 31
US-10-145-016A-136
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                                                   SEQ ID NO 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION
                                                                   Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 624
                                                                                                   PRIOR FILING DATE: 1998-03-12
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Best Local Similarity
                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60, PRIOR FILING DATE: 1998-03-11
                                                                                                                                         PRIOR APPLICATION NUMBER: 60
PRIOR FILING DATE: 1998-03-1
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PRIOR FILING DATE: 1997-11-21
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ORGANISM: Homo sapiens
                    TYPE: DNA
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Wood, William I.
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Williams, P. Mickey
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Shelton, David L.
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Hillan, Kenneth J
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US-10-165-353-136

Query Match

Length 1998;

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                                                  SEQ ID NO 136
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APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2630P1C40
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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CURRENT FILING DATE: 2002-10-10
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PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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PRIOR APPLICATION NUMBER: 60.
PRIOR FILING DATE: 1998-03-1.
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                                                                Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
                                                                                                         PRIOR FILING DATE: 1998-03-12
                                                                                                                        PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/077632
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ORGANISM: Homo sapiens
                                 ENGTH: 1998
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Filvaroff, Ellen
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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100.0%; Pr
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                                                                                                                          60/077791
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/065311
PRIOR RILING DATE: 1997-11-03
PRIOR RILING DATE: 1997-11-13
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                                                 SEQ ID NO 136
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PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR FILING DATE: 1998-03-11
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APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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                                                                 Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
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                                                                                                                                             PRIOR FILING DATE: 1998-03-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE: P2630P1C53
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                                                                                                       PRIOR FILING DATE: 1998-03-12
                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/077649
ORGANISM: Homo sapiens
                                  LENGTH: 1998
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                                                                                                                            APPLICATION NUMBER: 60/077791
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fong,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Filvaroff, Ellen
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Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Stewart, Timothy A.
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Shelton, David L.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hanspeter
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100.0%; Pred. No. 0.058;
ative 0; Mismatches
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US-10-145-092A-136

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SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
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US-10-162-522A-136
                                                                                 PRIOR FILING DATE: 1998-03-12

Remaining Prior Application data removed - See File Wrapper or PALM
NUMBER OF SEQ ID NOS: 624
                                                                                                                                                                 PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/077641
                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE REFERENCE: P2630PLC56
CURRENT APPLICATION NUMBER: US/10/162,522A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/06250
PRIOR APPLICATION NUMBER: 60/06250
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064311
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR PPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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                                                                                                                                             PRIOR APPLICATION NUMBER: 60/077791
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/077632
FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/066364
FILING DATE: 1997-11-21
APPLICATION NUMBER: 60/077450
FILING DATE: 1998-03-10
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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Grimaldi, J. Christopher
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Eaton, Dan
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              Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
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Best Local Similarity 100.0%; Pred. No. v.v
Matches 23; Conservative 0; Mismatches
                                                                                           PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
                                                                                                                                    PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630p1C29
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DNA
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Shelton, David L.
Stewart, Timothy A.
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Williams, P. Mickey
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Hillan, Kenneth J
Kljavin, Ivar J.
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Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mary A.
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ORGANISM: Homo sapiens

US-10-143-031A-136

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US-10-143-031A-136 : Sequence 136, Application US/10143031A
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                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATE: 2001-0/-50
PRIOR FILING DATE: 2001-0/-50
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION 1997-11-03
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                                  SEQ ID NO 136
LENGTH: 1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/143,031A CURRENT FILING DATE: 2002-10-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C39
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                                                                  Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 624
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ORGANISM: Homo sapiens
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                                                                                                   APPLICATION NUMBER: 60 FILING DATE: 1998-03-1
                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/065311
FILING DATE: 1997-11-13
                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/077450 FILING DATE: 1998-03-10
                                                                                                                                       FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/077649
FILING DATE: 1998-03-11
                                                                                                                                                                                        APPLICATION NUMBER: 60/077641
                                                                                                                                                                                                          APPLICATION NUMBER: 60/077632 FILING DATE: 1998-03-11
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Stewart, Timothy A.
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Gerritsen, Mary E.
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Kuo, Sophia S.
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Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nicholas F.
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                                                                                                                       60/077791
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RESULT 25
US-10-145-092A-136
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; LENGTH: 1998
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Best Local 9
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                                                                                                                          PRIOR APPLICATION NUMBER: 60/077649 PRIOR FILING DATE: 1998-03-11
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                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/145,092A CURRENT FILING DATE: 2002-10-10 PRIOR APPLICATION NUMBER: 09/918585 PRIOR FILING DATE: 2001-07-30
                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: WOOD, WILLIAM I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C45
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                                                                                           PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-12
                                                                                                                                                          PRIOR FILING DATE: 1998-03-11
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ORGANISM: Homo sapiens
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23; Conserv
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Gurney, Austin L.
Hillan, Kenneth J
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                                                             Application NOS: 624
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Margaret Ann
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100.0%; Pred. No.
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US-10-264-237-890
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                             SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 890
LENGTH: 1765
                                                                                                                                                                                                                           Sequence 890, Application US/10264237
GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local Similarity
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LENGTH: 1689
                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
                                                                                     PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/260,046 CURRENT FILING DATE: 2002-09-27
                                                                                                                                                                                                                  FILE REFERENCE: PA131P1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Manipulation of Plant Polysaccharide
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PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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ORGANISM: Zea mays
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ORGANISM: Homo sapiens
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US-10-145-087A-136
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                                                        SEQ ID NO 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/145,087A CURRENT ETILING DATE: 2001-10-18 PRIOR APPLICATION UNMBER: 09/918585 PRIOR FILING DATE: 2001-07-30
                                                                         Remaining Prior A NUMBER OF SEQ ID
                                                                                                                                                                                                                                                                            PRIOR
PRIOR
                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C47
                                                                                                             PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
                                                                                                                                                  PRIOR FILING DATE: 1998-03-
                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/062250 PRIOR FILING DATE: 1997-10-17
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TYPE: DNA
ORGANISM: Homo sapiens
                                     LENGTH: 1998
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APPLICATION NUMBER: 60/077450
FILING DATE: 1998-03-10
                                                                                                                                                                                FILING DATE: 1998-03-11
                                                                                                                                                                 APPLICATION NUMBER: 60/077649
                                                                                                                                                                                                     APPLICATION NUMBER: 60/077641
                                                                                                                                                                                                                        FILING DATE:
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                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/066364
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Baker Kevin P.
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Kuo, Sophia S.
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Stewart, Timothy A.
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                                                                                        Application data removed - See File Wrapper or PALM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mary A.
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; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 995
; LENGTH: 1539
; TYPE: DNA
; ORGANISM: HOMO Sapiens
US-10-264-237-995
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: Patentin Ver. 3.1
SEQ ID NO 40
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, NAME/KEY: misc_feature
; LOCATION: (912)..(912)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-40
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GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 995, Application US/10264237 GENERAL INFORMATION:
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                     Query Match
Best Local :
  Matches
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
                                                                                                                                                                                                                                                                                                                                               APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
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LOCATION: (1078)..(1078)
OTHER INFORMATION: n equals a,t,g, or c
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Similarity 100.0%; Pred. No.
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1.4%; Score 23; DB 6; Length 1539; ilarity 100.0%; Pred. No. 0.059; Conservative 0; Mismatches 0; Indels
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0.059;
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US-10-264-237-1007
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US-09-602-472A-1
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SEQ ID NO 1007
LENGTH: 1571
Sequence 457, Application US/10264237
GENERAL INFORMATION:
APPLICANT: Birse et al.
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 1
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Best Local 9
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
                                                                                                                                                                                                                                         Matches
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APPLICANT: Hu, Xu
APPLICANT: Li, Guihua
APPLICANT: Li, Guihua
APPLICANT: Li, Guihua
TITLE OF INVENTION: Sunflower Disease Resistance Genes
FILE REFERENCE: 35718/200630
CURRENT APPLICATION NUMBER: US/09/602,472A
CURRENT FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 60/140,876
PRIOR FILING DATE: 1999-06-24
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ORGANISM: Helianthus annuus
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                                                                                                                                                          LENGTH: 1593
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les 23; Conserv
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ative 0;
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100.0%; Pred. No.
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NAME/KEY: misc_feature

; LOCATION: (74)...(74)

; OTHER INFORMATION: n equals a,t,g, or c

US-10-264-237-1055
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US-10-264-237-1055
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                                                                                                                                                                                            Sequence 687, Application US/10264237 GENERAL INFORMATION:
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Best Local :
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SEQ ID NO 1055
LENGTH: 785
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131p1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
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GENERAL INFORMATION:
APPLICANT: Birse et
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LENGTH: 574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Birse et al. TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies FILE REFERENCE: PRAI31P1 CURRENT APPLICATION NUMBER: US/10/264,237 CURRENT FILING DATE: 2002-10-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2007-10-04
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ORGANISM: Homo sapiens
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les 23; Conservative
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100.0%; Pred. No.
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Sequence 563, Application US/10264237

SEGUERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
CURRENT APPLICATION UNMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION TUMBER: PCT/US01/16450
PRIOR FILING DATE: 2000-05-19
NUMBER: OF SEQ ID NOS: 2876
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 563
LENGTH: 1092
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-687
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Best Local
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SEQ ID NO 687
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APPLICANT: HAYASHI, Yasunori
TITLE OF INVENTION: NR3B Receptor Subunit Compositions and Related Methods
FILE REFERENCE: M00656.70068.WO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: PCT/US02/33408
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US 60/344,545
PRIOR FILING DATE: 1999-10-19
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SOFTWARE: PatentIn version 3.0
                                                                         NAME/KEY: misc_feature
LOCATION: (57)..(57)
OTHER INFORMATION: n equals
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OTHER INFORMATION: n equals a,t,g,
                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
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TYPE: DNA
ORGANISM: Rattus norvegicus
                  NAME/KEY: misc_feature LOCATION: (227)..(227)
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100.0%; Pred. No.
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PRIOR APPLICATION NUMBER: US/09/617,675
PRIOR FILING DATE: 2000-07-14
PRIOR PRIOL REPLICATION NUMBER: US 60/143,878
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 2908
SOFTMARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1361
LENGTH: 286
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NAME/KEY: misc_feature

; LOCATION: (1)...(286)

; OTHER INFORMATION: n = A,T,C or G

US-10-266-131-1361
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US-10-240-425-758/c
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TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENCE
TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
CURRENT APPLICATION NUMBER: US(70)/907,907A
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: US 09/243,277
PRIOR FILING DATE: 1999-02-02
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 31
LENGTH: 315
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APPLICANT: Fisher, Paul B.
APPLICANT: Leszcyniecka, Magdalena
Sequence 758, Application US/10240425 GENERAL INFORMATION:

APPLICANT: Williams, Amanda APPLICANT: Boland, Joseph F. APPLICANT: Lord, Reginald V.
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APPLICANT: Zambrowicz, Brian
APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: Novel Murine Polynucleotide Tags and
TITLE OF INVENTION: Mutant Cells and Mutant Animals Defined Thereby
FILE REFERENCE: LEX-0030-USA
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CURRENT FILING DATE: 2002-10-07
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ORGANISM: Homo sapiens
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100.0%; Pred. No. 0.
ative 0; Mismatches
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APPLICANT: Scherf, Uwe
APPLICANT: Vockley, Joseph G.
APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
SOSTWARE: PATENTIN VET. 2.1
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                                                                                                                                                                                                                                                     SEQ ID NO 525
LENGTH: 523
TYPE: DNA
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                                                                                                        Best Local Similarity
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TITLE OF INVENTION: Gene Expression Profiles
FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILLING DATE: 2002-09-30
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APPLICANT:
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NUMBER OF SEQ ID NOS: 1588
SOFTWARE: Patentin Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/193,446
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                                                                                                                                                                                       OTHER INFORMATION: Genbank Accession No. AI262104
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                                          1597 ТСТААААААААААААААААААА 1619
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Scherf, Uwe
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Lord, Reginald V
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100.0%; Pred. No. 0.0
ative 0; Mismatches
                                                                                                     1.4%; Score 23; DB 6; Length 523; 100.0%; Pred. No. 0.061;
                                                                                    0; Mismatches
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; GENERAL INFORMATION:

US-10-264-237-114 ; Sequence 114, Application US/10264237

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US-10-240-425-1530
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                                                                            SEQ ID NO 1530
LENGTH: 2305
TYPE: DNA
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; ORGANISM: Homo sapiens
US-10-266-829-15
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CURRENT FILING DATE: 2002-10-09
PRIOR APPLICATION NUMBER: 09/756,168
PRIOR FILING DATE: 2001-01-09
PRIOR APPLICATION NUMBER: PCT/US00/19735
PRIOR FILING DATE: 2000-07-20
PRIOR FILING DATE: 1999-07-23
NUMBER OF SEQ ID NOS: 146
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                    APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR APPLICATION NUMBER: US 60/193,446
RIOR APPLICATION NUMBER: US 60/193,446
RIOR APPLICATION NUMBER: US 60/193,446
RIOR FILING DATE: 2000-03-31
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Best Local Similarity
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ORGANISM: Homo sapiens
EEATURE:
OTHER INFORMATION: Genbank Accession No. X06374
                                                                                                                                     SOFTWARE: PatentIn Ver.
                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Williams, Amanda
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rosen et al.
TITLE OF INVENTION: 29 Human secreted proteins
FILE REFERENCE: PZ041P1
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Lord, Reginald V.
Alvarez, Chris
                                                                                                                                                                                                                                                                                                                                                      Wetzel, Jon C.
Scherf, Uwe
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100.0%; Pr
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US-09-907-907A-23
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US-09-907-907A-23
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; ORGANISM: Homo sapiens
US-09-513-999C-20982
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Sequence 20982, Application US/09513999C

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                               SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 23
LENGTH: 198
                                                                                Matches
                                                                                                                     Query Match
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SOFTWARE: Patent.pm
SEQ ID NO 20982
                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Leszcyniecka, Magdalena
TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENC
TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
CURRENT APPLICATION NUMBER: US/09/907,907A
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: US 09/243,277
PRIOR APPLICATION NUMBER: US 09/243,277
PRIOR FILING DATE: 11999-02-02
                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Fisher, Paul B. APPLICANT: Leszcyniecka, 1
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                                1597 ТGТААААААААААААААААААА 1619
                                                                                                                                                                      OTHER INFORMATION: a or c or g or t
                                                                                                                                                                                                 NAME/KEY: unsure LOCATION: 21
                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Homo sapiens
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160 TGTAAAAAAAAAAAAAAAAAAA 182
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                                                                                              Local Similarity
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                                                                              Conservative
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                                                                                                100.0%;
                                                                                        1.4%; Score 23; DB 5; Length 198; 100.0%; Pred. No. 0.064;
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Score 24;

DB 6;

Length 2305,

99.98;

Pred. No. 0;

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                                              CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTGCAGAGGACTGGCGCCGGG
                                                                                                                                                                                                                                                                                                                                                                         GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG 840
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ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1080
                                                                                                                                                                                                                                                                          ACATTCAAACTTCATGCTCCTGAAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC 900
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APPLICANT: Desnoyers, Luc
APPLICANT: Goodward, Audrey
APPLICANT: Goodward, Audrey
APPLICANT: Goodward, Audrey
APPLICANT: Goodward, Faul J.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Chang, Zemin
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3430R1C79
FILE REFERENCE: P3430R1C79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q
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CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-0-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063486
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PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-24
PRIOR PRIOR DATE: 1997-10-21
PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/063540
PRIOR APPLICATION NUMBER: 60/063541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 215, Application US/10125923A GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
                                               SEQ ID NO 215
LENGTH: 1337
                                                                                        PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 612
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ORGANISM: Homo Sapien
                         TYPE: DNA
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Sequence 995, App Sequence 1007, Ap Sequence 1, Appli Sequence 457, App Sequence 19, Appl Sequence 890, App Sequence 136, App Sequence 136, App Sequence 136, App Sequence 136, App	1055 1055 687, 5, A 563,	15, 1530 2098 23, 23, 1361 31, 758,	ption nce 15, Ap	seq:* .seq:* .seq:* .seq:* .seq:* .seq:* .seq:* .seq:* .seq:* .tribution.		72014			ааааааааааа 1619	ime 45.2315 Seconds ignments) llion cell updates/sec	itd.

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US-10-145-016A-156	US-10-172-039A-156	US-10-170-481A-156	US-10-165-353-156	US-10-165-038A-156	-10	US-10-145-092A-156	US-10-143-031A-156	US-10-145-087A-156	US-10-125-923A-227	US-10-165-353A-136	US-10-125-923A-53	-10	US-10-145-088A-136	US-10-145-016A-136	10-1/2-039A-13	10-170-000-11	US-10-170-481A-136	US-10-165-353-136	US-10-165-038A-136	,
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ALIGNMENTS

RESULT 1 US-10-230-437-15

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APPLICANT: Smith, Victoria :
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE REFERENCE: P3530p1C94
CURRENT FILING DATE: 2002-08-28
PRIOR APPLICATION NUMBER: US/10/230,437
CURRENT FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/06369
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079924
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079656
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 15
; LENGTH: 1524
; TYPE: DNA
; ORCANISM: Homo Sapien
US-10-230-437-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 15, Application US/10230437 GENERAL INFORMATION:
                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
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APPLICANT:
APPLICANT:
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Desnoyers, Luc
Gerritsen, Mary
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Query Match

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OR FILING DATE: 1999-11-09
OR APPLICATION NUMBER: 60/166361
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OR APPLICATION NUMBER: 60/169445
OR FILING DATE: 1999-12-07
OR APPLICATION NUMBER: 60/169495
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R APPLICATION NUMBER: 60/1.
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R APPLICATION NUMBER: 60/1.
R FILING DATE: 1999-08-31
                    TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA
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Search completed: November 8, 2002, 02:00:30 Job time: 3659.06 secs

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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/078910
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PRIOR APPLICATION NUMBER: 60/079904
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APPLICANT:
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Gerritsen, Mary
Goddard, Audrey
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                                                                                                                          CURRENT APPLICATION NUMBER: US/10/218,631
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR PRIOR DATE: 1997-09-17
PRIOR PPLICATION NUMBER: 60/062287
PRIOR PPLICATION NUMBER: 60/063549
PRIOR PPLICATION NUMBER: 60/063549
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PRIOR DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/068873
PRIOR PILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
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Remaining Prior Ap
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APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C14
                                                                                      PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27
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Goddwski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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 US-10-218-612-15
                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/218,612
CURRENT FILING DATE: 2002-08-12
PRIOR RPPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR TILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR PRIOR DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
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US-10-218-612-15
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APPLICANT:
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                            Remaining Prior A
                                                                                                            PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27
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APPLICANT: Desnoyers, I
APPLICANT: Gerritsen, N
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
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                                                                                                                  CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG
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PRIOR APPLICATION NUMBER: 00/10/480

PRIOR PRIOR APPLICATION NUMBER: 10/119,480

PRIOR PRIOR APPLICATION NUMBER: 60/059113

PRIOR PRIOR APPLICATION NUMBER: 60/059113

PRIOR APPLICATION NUMBER: 60/062287

PRIOR APPLICATION NUMBER: 60/062287

PRIOR APPLICATION NUMBER: 60/063549

PRIOR PILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/064103

PRIOR PILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/069873

PRIOR APPLICATION NUMBER: 60/069873

PRIOR APPLICATION NUMBER: 60/079910

PRIOR APPLICATION NUMBER: 60/079910
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Query Match
Best Local
                                                                                                                                        SEQ ID NO 15
LENGTH: 1524
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APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: 93530P1C10
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                                                                                                                                                                                     Remaining Prior A NUMBER OF SEQ ID
                                                                                                                                                                                                                                  PRIOR FILING DATE: 1998-03-27
                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/079728
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Similarity
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Grimaldi, J. Christopher
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Gerritsen, Mary
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Score 1264; DB 42; Pred. No. 9.6e-234;
                        Length 1524;
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                               CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACCAGCACCTTGC 1140
                                                                                         ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1220
                                                                                                                                                       CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGCGGG 1160
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; ORGANISM: Homo Sapien US-10-216-167-15
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PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06403
PRIOR APPLICATION NUMBER: 60/06403
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
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       Matches 1384;
                       Query Match 78.1%;
Best Local Similarity 99.9%;
                                                                                                                                                          SEQ ID NO 15
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                                                                                                                                                                      NUMBER OF SEQ ID NOS: 246
                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
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                                                                                                                                          LENGTH: 1524
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FILING DATE: 1998-03-26
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Grimaldi, J. Christopher
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Gerritsen, Mary
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Smith, Victoria
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       Conservative
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                   Score 1264; DB 42;
Pred. No. 9.6e-234;
   Indels
                                     Length 1524;
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 ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG
             ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG 1200
                                                         CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACCACC-TGC
                                                                                                                  ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGACTGCGCATGTA
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CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
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PRIOR FILING DATE: 1997-10-31
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                                                                                                                                    ; TYPE: DNA
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US-10-216-166-15
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PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
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                                                                                                                                                                                      SEQ ID NO 15
LENGTH: 1524
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APPLICANT:
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530P1C9
                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR EILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
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                                                                                                                                                                                                                        NUMBER OF SEQ ID
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1384;
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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APPLICANY: Stephan Jean-Philippe F.
APPLICANY: Watanabe, Colin L.
APPLICANY: Watanabe, Colin L.
APPLICANY: Wood, William I.
ITILE OF INVENTION: SCCRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC7
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 60/05213
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063349
PRIOR APPLICATION NUMBER: 60/063349
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06349
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SEQ ID NO 15
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Gurney, Austin L.
Smith, Victoria
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Remaining Prior A
NUMBER OF SEQ ID
SEQ ID NO 15
EDIT NO 15
IENGTH: 1524
TYPE: DNA
ORGANISM: HOMO S
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US-10-216-164-15
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PRIOR APPLICATION NUMBER: US/10/216,164
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR PPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR PPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06349
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR PPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR PILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
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Best Local Similarity
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FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079728
                    GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA
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Grimaldi, J. Christopher
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Smith, Victoria
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APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE GOING INVENTION NUMBER: US/10/216,163
CURRENT APPLICATION NUMBER: 10/216,163
CURRENT APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 60/06313
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-31
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NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
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Best Local Similarity
Matches 1384; Conserv
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OR FILING DATE: 1997-12-17
OR APPLICATION NUMBER: 60/078910
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/079294
OR FILING DATE: 1998-03-25
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US-10-216-162-15
Sequence 15, Application US/10216162
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Besnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
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CURRENT APPLICATION NUMBER: US/10/216,162
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/079910
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Remaining Prior Application d
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
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Gurney, Austin L.
Smith, Victoria
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Sequence 15 Application U
GENERAL INFORMATION:
APPLICANT Baker, Kevin P
APPLICANT Besnoyers, Lu
APPLICANT Gerritsen, Ma
APPLICANT Gerritsen, Ma
APPLICANT Goddard, Audr
APPLICANT Grimaldi, J.
APPLICANT Grimey, Austi
APPLICANT Smith, Victor
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US-10-216-160-15
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LENGTH: 1524
TYPE: DNA
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                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C8
                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/216,160 CURRENT FILING DATE: 2002-08-09 Prior Application removed - See File Wrapp NUMBER OF SEQ ID NOS: 246
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Watanabe, Colin L.
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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                                                               ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1080
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                     CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCACAGGCGCAGCACAGCACC-TGC
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PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION UNMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data remo NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/216,159A
CURRENT ETLING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILLING DATE: 2002-04-09
PRIOR FILLING DATE: 2002-04-09
PRIOR FILLING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062187
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILLING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILLING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILLING DATE: 1997-10-31
PRIOR FILLING DATE: 1997-10-31
PRIOR FILLING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079873
PRIOR FILLING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079294
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PRIOR FILLING DATE: 1998-03-25
PRIOR FILLING DATE: 1998-03-25
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US-10-216-159A-15
Sequence 15, Application US/10216159A
; GENERAL INFORMATION:
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C6
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                                                                                   TYPE: DNA
ORGANISM: Homo
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Wood, William I.
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Grimaldi, J. Christopher
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                                                                                                                           CCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTG
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Pred. No. 1.7e-240;
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Prior Application r
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
ORGANISM: Homo Sapien
US-10-119-480-15
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APPLICANT: Desnoyers, Lu
APPLICANT: Goddard, Audr
APPLICANT: Godowski, Pau
APPLICANT: Grimaldi, J
APPLICANT: Gurney, Austi
                                                                                        Query Match
Best Local S
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                                                                             Best Local Similarity Matches 1384; Conserv
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APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Waod, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC1
                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/119,480
CURRENT FILING DATE: 2002-04-09
NUMBER OF SEQ ID NOS: 246
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CURRENT APPLICATION NUMBER: US/09/652,917
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: US/09/652,917
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,422
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 3855;
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2477
LENGTH: 1917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-652-917-2477
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Matches 1519; Conservative
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AAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGCTCCGCACCATCCTGTTCCTCAA 378
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Pred. No. 1.7e-240;
0; Mismatches 2;
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Sequence 7188, Application US/09801833
GENERAL INFORMATION:
APPLICANT: GLUCKSMENTO, M. Alexandra
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DEI
TITLE OF INVENTION: HUMAN BRAIN LIBRARY
FILE REFERENCE: 1600.1037-005
CURRENT APPLICATION NUMBER: US/09/801.833
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: 09/371.168
PRIOR ETLING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR FILING DATE: 1998-08-10
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; ORGANISM: Homo US-09-801-833-7188
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                                          SOFTWARE: FastSEQ
SEQ ID NO 7188
LENGTH: 1917
                                                                                       NUMBER OF SEQ ID NOS: 8285
                          LENGTH: 19
TYPE: DNA
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US-09-652-914-8473
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TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1193-001
CURRENT FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US/09/652,914
PRIOR APPLICATION NUMBER: 60/.52,112
PRIOR APPLICATION NUMBER: 60/.52,112
PRIOR FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 9677
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8473
LENGTH-1017
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                                                            GAGCTCGGTAAAGCATTCTGAATAAATTCAGCTTGACTGAATTTTCAGTATGTACTTGAA
                                                                             GAGCTCGGTAAAGCATTCTGAATAAATTCAGCCTGACTGTATTTTCAGTATGTACTTGAA 618
                                                                                                                                                                                                         AAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAA 378
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                                                                                                                                                                                       ATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTG 438
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Pred. No. 1.7e-240;
O: Mismatches 2;
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                                                             ACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAA
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US-09-652-917-2477
Sequence 2477, Application US/09652917
GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
APPLICANT: Holtzman, Douglas A.
APPLICANT: Distefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC AC

NUCLEIC ACID MOLECULES AND USES

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APPLICANT: Shyjan, Andrew W.

APPLICANT: Shyjan, Andrew W.

TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR

TITLE OF INVENTION: THEREFOR

TITLE OF INVENTION 1192-001

FILE REFERENCE: 1600.1192-001

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/151,136

PRIOR FILING DATE: 1999-08-30

PRIOR FILING DATE: 1999-08-30

NUMBER OF SEQ ID NOS: 11227

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 9112

LENGTH: 1917

TYPE: DNA

DECASION:
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US-09-652-355-9112
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GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
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                                                                                                                                   GAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAACGGGCCCAAGGCCCAAGAA 318
                                                                                                                                                                                                       ATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACT 258
                                                                       AAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAA 378
                                                                                                                                                                                ATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCCAGGGAAACT 552
ATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTG 438
                                                          AAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAA
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APPLICANT: Shyan, Andrew W.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1171-001
CURRENT APPLICATION NUMBER: US/09/652,128
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,133
PRIOR APPLICATION NUMBER: 60/151,133
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 10265
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 7518
LENGTH: 1917
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                                                                              Matches 1519;
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Best Local
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                                                                                                                                          TYPE: DNA
139 GTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATC 198
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Local Similarity 99.8%;
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Pred. No. 1.7e-240;
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TCCGAGAAGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTG
                          TCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTG 1278
                                                                                                                            TGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTC 1218
                                                                                                                                                                                                GGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACC-TGCACGAACACCCGGCGAAAC
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                                                                                                TGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTC 1511
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US-09-652-121-6191
Sequence 6191, Application US/09652121
GENERAL INFORMATION:
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                             APPLICANT: DIStefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1188-001
CURRENT APPLICATION NUMBER: US/09/652,121
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
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TYPE: DNA
ORGANISM: Homo sapiens
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                                                   ACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAA
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SOFTWARE: FastSEQ for
SEQ ID NO 9370
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Matches 1519; Conserv
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APPLICANT: McCarthy, Sean A.
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Best Local
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TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1180-001
CURRENT APPLICATION NUMBER: US/09/652,109
CURRENT FILING DATE: 2000-08-30
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GTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCT
                                                           GGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTGCAGT 738
                                                                                                                                     GGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCT
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                                                                                                              GGAAGGAGTGGAATTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCT
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VENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
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                                                                                             TCCGAGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTG 1278
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                                   GGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTC
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; LENGTH: 1917
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US-09-644-873-9077
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APPLICANT: Holtzman, Douglas A.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1169-001
CURRENT APPLICATION NUMBER: US/09/644,873
CURRENT APPLICATION NUMBER: 2000-08-28
PRIOR APPLICATION NUMBER: 60/151,064
PRIOR APPLICATION NUMBER: 60/151,064
PRIOR FILING DATE: 1999-08-27
NUMBER OF SEQ ID NOS: 11286
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; LENGTH: 1917
; TYPE: DNA
; ORGANISM: HOMO 5
US-09-371-168-7188
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TITLE OF INVENTION: NUCLEIC ACID MOLECULES DE
TITLE OF INVENTION: HUMAN BRAIN LIBRARY
FILE REFERENCE: MLN98-37PA
CURRENT APPLICATION NUMBER: U5/09/371,168
CURRENT FILING DATE: 1999-08-10
EARLIER APPLICATION NUMBER: 60/095,907
EARLIER FILING DATE: 1998-08-10
EARLIER RILING DATE: 1998-10-05
EARLIER FILING DATE: 199
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                                                                  ATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACT
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; TYPE: DNA; ORGANISM: Homo sapiens US-09-710-281-4458
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CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
                                                                                                                                                             TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCCATAGTTTGAGACTGCAGA
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Pred. No. 1.9e-255;
0; Mismatches 2;
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GENERAL INFORMATION:
APPLICANT: Gearing, David P.
APPLICANT: HOLtman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND THILE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2017-001
CURRENT APPLICATION NUMBER: US/09/726,805
CURRENT FILING DATE: 2000-11-30
PRIOR PILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-11-30
                                                                                                 ; LENGTH: 1925
; TYPE: DNA
; ORGANISM: Homo :
US-09-726-805-1608
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US-09-726-805-1608/c
                                          Query Match
Best Local Sim
Matches 1597;
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SOFTWARE: FastSEQ for Windows
SEQ ID NO 1608
                                                                                                                                                                                                                                                                                                                                                Sequence 1608, Application US/09726805
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99.8%;
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                                                         Score 1377; DB 29; Pred. No. 1.9e-255;
                                             Mismatches
                                                                        DB 29;
                                                                      Length
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; ORGANISM: Homo sapiens
US-09-699-997-11085
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Best Local (
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LENGTH: 1925
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CURRENT FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: 60/162,359
PRIOR ETILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 12714
SOFTWARE: FASTSEQ for Windows Version 4.
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TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2020-001
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               TTTTGTAAAGCCTCCAGTGTCCATTCCCTGATGGGGGCATAGTTTGAGACTGCAGA
                                                                          CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
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                                                         CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
                                                                                                                     TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
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TITLE OF INVENTION: NOVEL NUCLEIC ACID MOL
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2036-001
CURRENT APPLICATION NUMBER: US/09/710,281
CURRENT FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: 60/164,254
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 5803
SOFTWARE: FastSEQ for Windows Version 4.0
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GENERAL INFORMATION:
APPLICANT: Hunter, John J.
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; ORGANISM: Homo sapiens
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                                  CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCTTGACTGAAT 1028
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RESULT 21
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US-09-699-997-11085, Application US/09699997
; GENERAL INFORMATION:
; APPLICANT: Curtis, Rory A.J.

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; ORGANISM: Homo sapiens
US-09-652-128-9375
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GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
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CURRENT APPLICATION NUMBER: US/09/652,128
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,133
PRIOR FILING DATE: 1999-08-30
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                                         CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG 420
                                                                                              CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCCAGGGCTCCGCAC
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NUMBER OF SEQ ID NOS: 7615

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7293
LENGTH: 1925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7293, Application US/09652121 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                          Query Match
Best Local :
                                                                                                                                                                                                                                                                Matches 1597;
                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: NOVEL NUCLEIC ACID METITLE OF INVENTION: THEREFOR FILE REFERENCE: 1600.1188-001
CURRENT APPLICATION NUMBER: US/09/652,121
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
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DiStefano, Peter
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                                                                                  CTCGTCCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATC
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PRIOR APPLICATION NUMBER: US 00/140,000
PRIOR FILING DATE: 1999-03-30
PRIOR APPLICATION NUMBER: US 60/132,099
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5775
SOFTWARE: FastSEQ for Windows Version 4.
SEQ ID NO 4454
LENGTH: 1918
TYPE: DNA
TYPE: DNA
TYPE: DNA
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CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: US 09/397,022
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: US 60/100,465
PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: US 60/106,443
PRIOR APPLICATION NUMBER: US 60/107,257
PRIOR FILING DATE: 1998-10-30
PRIOR FILING DATE: 1998-11-15
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APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Dougla
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                                                                                                                                                                                09-808-383-4454
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TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED
TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY
FILE REFERENCE: 1600.1046-002
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        61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                        Local Similarity
                                                                                                                                                                                                                                                                                                        FILING DATE: 1999-03-30
APPLICATION NUMBER: US 60/132,099
                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 60/126,906
                                                                                                                1604;
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                                                                                                                Conservative
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Pred. No. 8.8e-257;
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             ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG
                                                                                                                                                                                                                                                                                                        ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
                                             CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCACAGGCAGCAGCACAGCACC-TGC
                                                              CGCGCACGCCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCAGCACAGCACCTTGC
                                                                                                           ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGAGTGCGCATGTA
                                                                                                                              ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
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CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
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FILE REFERENCE: MLN98-40DM
CURRENT APPLICATION NUMBER: US/09/397,022
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,465
PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: 60/106,443
PRIOR FILING DATE: 1998-10-30
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR FILING DATE: 1999-03-30
PRIOR FILING DATE: 1999-03-30
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                                                                                                                                                                                                   SEQ ID NO 4454
LENGTH: 1918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4454, Application US/09397022 GENERAL INFORMATION:
                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/1
PRIOR EILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5775
SOFTWARE: FastSEQ for Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM
TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY
FILE REFERENCE: MLN98-46pm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1501 CAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGG 1560
Local
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                                                                                        Score 1384; DB 17;
Pred. No. 8.8e-257;
                                                                             Mismatches
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CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAGCAGGCGGCAGGAGCACGACCTTGC 1140
                                                                     ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
                                                                                                     ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1080
                                                                                                                                                        CGCTCTGAAAAGTGCTTAAGAAAATCTTCTGAGTTGTCCTTGCAGAGGACTGGCGCGGG 1020
                                                                                                                                                                                                            CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGGACTTAGACTGGGGCTCGGCCT 1255
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                                                                                                                                        CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG 1315
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CURRENT FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: US 60/323,739
PRIOR APPLICATION NUMBER: US 09/488,725
PRIOR APPLICATION NUMBER: US 09/552,317
PRIOR FILING DATE: 2000-01-21
PRIOR PRIOR APPLICATION NUMBER: US 09/552,317
PRIOR PRIOR PRIOR DATE: 2000-04-25
PRIOR PRIOR PRIOR DATE: 2000-12-25
PRIOR PRIOR PRIOR DATE: 2000-12-25
PRIOR PRIOR APPLICATION NUMBER: US 09/491,404
PRIOR APPLICATION NUMBER: PCT/US01/02623
PRIOR APPLICATION NUMBER: US 09/496,914
PRIOR APPLICATION NUMBER: US 09/496,914
PRIOR APPLICATION NUMBER: US 09/496,914
PRIOR APPLICATION NUMBER: US 09/560,875
PRIOR APPLICATION NUMBER: PCT/US01/03800
PRIOR PILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: US 09/515,126
PRIOR APPLICATION NUMBER: US 09/515,126
PRIOR PILING DATE: 2000-02-28
PRIOR PILING DATE: 2000-02-28
PRIOR PILING DATE: 2000-02-28
PRIOR PILING DATE: 2000-02-28
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PCT-US02-29964-16
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                                                                                                                                                                                                    SOFTWARE: pt_FL_genes Version 6.0
SEQ ID NO 16
LENGTH: 1967
Best Local Similarity Matches 1608; Conserv
                                          Query Match
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TITLE OF INVENTION: Novel Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 809ACIP PCT
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                                                                                                                                                                                                                                                                                    Remaining Prior Application data removed . See File Wrapper or PALM
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                                                                                                   NAME/KEY: CDS
LOCATION: (338)..(763)
                                                                                                                                               FEATURE:
                                                                                                                                                                ORGANISM: Homo sapiens
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Wang, Jian-Rui
Xue, Aidong J.
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Goodrich, Ryle W.
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          ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1080
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CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 214
LENGTH: 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local :
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APPLICANT: Fanger, Gary R.
APPLICANT: Harlocker, Susan L.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.48467
FILE REFERENCE: 210121.48467
                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 1616;
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                  301 CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC 360
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Local Similarity 99.8%;
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                               SOFTWARE: FASTSEQ for Windows Version 4.0 SEQ ID NO 214 LENGTH: 1897
                                                                                                                                                                   Matches 1616;
                                                                                                                                                                                Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                               APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
NUMBER OF SEO ID NOS: 215
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Stolk, John A. APPLICANT: Molesh, David
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                           GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                      GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
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                                                                                                                                                                      Score 1396; DB 36;
Pred. No. 4.4e-259;
Mismatches 2;
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GENERAL INFORMATION:

APPLICANT: XU, Jiangchun

APPLICANT: XU, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Highte, Paul A.

APPLICANT: Filing, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SOFTWARE: FastSEQ for Windows Version 3.0

SOFTWARE: DIAM

ORGANISM: Homo saplens

FEATURE:

NAME YETS.
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Best Local Similarity 99.0
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OTHER INFORMATION: n = A,T,C or G
                                                                                                                        NAME/KEY: misc_feature
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APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Algate, Paul A.

APPLICANT: Filing, Steven P.

APPLICANT: Molesh, David Alan

ITILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121. 48401PC

CURRENT APPLICATION NUMBER: PCT/US01/45395

CURRENT FILING DATE: 2001-11-13

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FRASTSEQ for Windows Version 4.0

SEQ ID NO 214
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Sequence 197, Application US/10108260A GENERAL INFORMATION:

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CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTMARE: Patentin Ver. 2.1
SEQ ID NO 197
LENGTH: 1832
TYPE: DNA
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 211
LENGTH: 1619
TYPE: FOR
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Matches 1619; Conservation
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APPLICANT: Harlocker, Susan L.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C7
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CURRENT FILING DATE: 2002-08-02
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SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 205
LENGTH: 1619
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Best Local Similarity
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APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C7
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT FILING DATE: 2002-08-02
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APPLICANT: STOIK, John A.
APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 211
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CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
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TYPE: DNA
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Local Similarity 100.0%;
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                                   CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
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US-09-970-966-205
Sequence 205, Application US/09970966
GENERAL INFORMATION:
APPLICANT: Stolk, John A.
APPLICANT: Molesh, David Alan
APPLICANT: Filing, Steven P.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.48466
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
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SOFTWARE: FASTSEQ for W
SEQ ID NO 205
LENGTH: 1619
TYPE: DNA
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Best Local Similarity
Matches 1619; Conserv
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                                                      Score 1619; DB 36;
Pred. No. 7.9e-302;
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APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Filing, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN C.FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT TILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FASTSEQ FOR WINDOWS Version 3.0

SEQ ID NO 205

LENGTH: 1619
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RESULT 5
US-09-825-294-211
; Sequence 211, Application US/09825294
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Xtolk, John A.
; APPLICANT: Stolk, John A.
; APPLICANT: Algate, Paul A.
; APPLICANT: Filing, Steven P.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
; FILE REFERENCE: 210121.484C5
; CURRENT APPLICATION NUMBER: US/09/825,294
; CURRENT APPLICATION NUMBER: US/09/825,294
; CURRENT FILING DATE: 2001-04-03
; NUMBER OF SEQ ID NOS: 215
; SEQ ID NO 211
; SEQ ID NO 211
; LENGTH: 1619
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CANCER

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Sequence 205, Application US/09713550

GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVE
FILE REFERENCE: 210121.488C4
CURRENT APPLICATION NUMBER: US/09/713,550
CURRENT FILING DATE: 2000-11-14
NUMBER OF SEQ ID NOS: 205
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 205
LENGTH: 1619
TYPE: DNA
ORGANISM: Homo sapiens
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US-09-825-294-205
Sequence 205, Application US/09825294
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun

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APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

APPLICANT: Molesh, David Alan

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE

TITLE OF INVENTION: AND DIACKOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.48401PC

CURRENT APPLICATION NUMBER: PCT/US01/45395

CURRENT FILING DATE: 2001-11-13

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FASSSEQ for Windows Version 4.0

SEQ ID NO 211
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PCT-US01-445395-211
Sequence 211, Application PC/TUS0145395; GENERAL INFORMATION:
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Best Local Similarity
Matches 1619; Conserv
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ORGANISM: Homo
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LENGTH: 1619
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Pred. No. 7.9e-302;
); Mismatches 0;
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APPLICANT: Xu, Jiangchun
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Filng, Steven P.
APPLICANT: Hing, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.48401PC
CURRENT APPLICATION NUMBER: PCT/US01/45395
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 205
LENGTH: 1619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OLIGO_NUC
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-970-966-211
1619
1 ggcaactttttgcgg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24791104 segs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                November 7, 2002, 18:02:33 ; Search time 3626.06 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10
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// Cgn2_6/ptodata/1/pna/US093_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US094_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US095A_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US095A_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US095B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US095B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US095B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US096B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US096B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US096B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US096B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US097B_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US101A_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US101A_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US101A_COMB.seq: *
// Cgn2_6/ptodata/1/pna/US101B_COMB.seq: *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            // Cgn2_6/ptodata/1/pna/PCTUS_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US06_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US07_CMB.seq:*
// Cgn2_6/ptodata/1/pna/US081_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US081_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US081_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US083_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US084_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US084_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US085_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US085_COMB.seq:*
// Cgn2_6/ptodata/1/pna/US086_COMB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (without alignments)
11225.881 Million cell updates/sec
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44: /cgn2_6/ptodata/1/pna/US6000_COMB.seq:
46: /cgn2_6/ptodata/1/pna/US6001_COMB.seq:
46: /cgn2_6/ptodata/1/pna/US6001_COMB.seq:
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70: /cgn2_6/ptodata/1/pna/US6022_COMB.seq:
71: /cgn2_6/ptodata/1/pna/US6023_COMB.seq:
72: /cgn2_6/ptodata/1/pna/US6023_COMB.seq:
73: /cgn2_6/ptodata/1/pna/US6023_COMB.seq:
74: /cgn2_6/ptodata/1/pna/US6023_COMB.seq:
75: /cgn2_6/ptodata/1/pna/US6023_COMB.seq:
76: /cgn2_6/ptodata/1/pna/US6023_COMB.seq:
77: /cgn2_6/ptodata/1/pna/US6023_COMB.seq:
78: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
79: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
79: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
81: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
82: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
83: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
84: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
85: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
85: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
85: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
86: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
87: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
88: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:
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88: /cgn2_6/ptodata/1/pna/US6034_COMB.seq:
88: /cgn2_6/ptodata/1/pna
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

c 21	20 20 20	c 18	17	16	15	14	13	12	11	10	9	000	7	6	G	4	· w	2		Result No.
1377	1377	1377	1384	1384	1388	1396	1396	1396	1396	1427	1619	1619	1619	1619	1619	1619	1619	1619	1619	Score
85.1	95. 1	85.1	85.5	85.5		86.2				88.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Query Match
1925	1925	1925	1918	1918	1967	1897	1897	1897	1897	1832	1619	1619	1619	1619	1619	1619	1619	1619	1619	Query Match Length
27	ນຸນ	25	31	17	⊢	42	36	31	ш	40	42	42	36	36	31	31	28	۳	_	BB
US-09-699-997-11085	US-09-652-128-9375	US-09-652-121-7293	US-09-808-383-4454	US-09-397-022-4454	PCT-US02-29964-16	US-10-212-677-214	US-09-970-966-214	US-09-825-294-214	PCT-US01-45395-214	US-10-108-260A-197	US-10-212-677-211	US-10-212-677-205	US-09-970-966-211	US-09-970-966-205	US-09-825-294-211	US-09-825-294-205	US-09-713-550-205	PCT-US01-45395-211	PCT-US01-45395-205	ID
sequence 3346, Ap Sequence 11085, A		Sequence 7293, Ap	Sequence 4454, Ap	Sequence 4454, Ap	Sequence 16, Appl	Sequence 214, App	Sequence 214, App	Sequence 214, App	Sequence 214, App	197	211,		211,	205	211.	205,	ζ,	-	Sequence 205, App	Description

lat

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US-07-869-933-10
                  RESULT 44
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                                                                                                                                           Matches
                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                               SEQ ID NO 21
LENGTH: 1162
                                                                                                                                                                                                                                                                                  APPLICANT: Kinney, Anthony J.
APPLICANT: Cabboon, Rebecca E.
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: PLANT BRANCHED CHAIN AMINO ACID BIOSYNTHETIC ENZYMES
FILE REFERENCE: BB-1126
CURRENT FILING NUMBER: US/09/173,300
CURRENT FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: 60/063,423
EARLIER FILING DATE: 1997 October 28
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Microsoft Word Version 7.0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21, Application US/09173300 Patent No. 6451581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Falco, Saverio C
APPLICANT: Hitz, William D.
                                                               1132 ТСТААЛААААААААААААААА 1154
                                                                                               1597 ТGТААЛАААААААААААААААА 1619
                                                                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (206) 682-8100
TELEFAX: (206) 224-0779
INFORMATION FOR SEQ ID NO: 15-
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1597 ТСТАРАЛАЛАЛАЛАЛАЛАЛАЛАЛА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: CDNA to mRNA
DESCRIPTION: clone 19; see Figure 26
HYPOTHETICAL: NO
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Shelton, Dennis K.
REGISTRATION NUMBER: 26,997
REFERENCE/DOCKET NUMBER: FH
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/252,966B
FILING DATE: 01-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION: NAME: Shelton, Dennis K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 1008 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE:
                                                                                                                                          23;
                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Saverio Carl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Floppy disk
                                                                                                            100.0%; Preu. ...
o; Mismatches
                                                                                                                                               1.4%; Score 23; DB 4; Length 1162; 100.0%; Pred. No. 0.61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15:
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                                                                                                                                  Indels
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                                                                                                                              Gaps
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RESULT 45
US-09-103-663-10
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                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Kinet et al.
APPLICANT: Kinet et al.
TITLE OF INVENTION: Isolation, characterization, and use of the human beta
TITLE OF INVENTION: subunit of the high affinity receptor for
TITLE OF INVENTION: immunoglobulin E.
FILE REFERENCE: 50490
CURRENT APPLICATION NUMBER: US/09/103,663D
CURRENT FILING DATE: 1998-06-23
                                                      SOFTWARE: PA
                                                                                                                                                                                                                                                                                           Sequence 10, Application US/09103663D Patent No. 6171803
                                                                                     EARLIER APPLICATION NUMBER: 07/869,933
EARLIER FILING DATE: 1992-04-16
NUMBER OF SEQ ID NOS: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 10, Application US/07869933
Patent No. 5770396
GENERAL INFORMATION:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (703)685-4109
TELEX: 899149
INFORMATION FOR SEG ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 4039
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
                      TYPE: DNA
                                       ENGTH: 1174
                                                                                                                                                                                                                                                                                                                                                                                               1150 ТGTAAAAAAAAAAAAAAAAAAA 1172
                                                                                                                                                                                                                                                                                                                                                                                                                               1597 ТGТААААААААААААААААААА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 1174 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 19920416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: NUCLEIC ACID STRANDEDNESS: double TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 22313-0299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
                                                                       PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
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1800 Diagonal Road, Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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107..880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KINET, Jean-Pierre
VENTION: ISOLATION, CHARACTERIZATION, AND USE OF
VENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19920416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.4%; Score 23;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IMMUNOGLOBULIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US/07/869,933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40399/154 NIHD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1174;
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MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "cDNA sequence for

DESCRIPTION: female-preferential transcript designated B20014-2"

HYPOTHETICAL: NO
US-09-575-602-1
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US-08-032-393-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08032393 Patent No. 5332660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Osamu TAKEDA et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 772 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: CG
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1597 TGTAAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: DisplayWrite
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Pace, Gary M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
                 TELECOMMUNICATION INFORMATION: TELEPHONE: 202-371-8850
                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Gene of Candida Yeast NUMBER OF SEQUENCES: 16
                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               747 TGTAAAAAAAAAAAAAAAAAAA 769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 772 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Pace, Gary M
REGISTRATION NUMBER: 40,403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/032,393 FILING DATE:
                                                                        NAME: Warren M. Cheek, Jr. REGISTRATION NUMBER: 33,367
                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
                                                       REFERENCE/DOCKET NUMBER:
                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
              TELEPHONE:
                                                                                                                                                    APPLICATION NUMBER: US/07/729,414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                               20005
                                                                                                                                                                                                                                                                                                                                                                                                                                                          E: Wenderoth, Lind & Ponack
805 Fifteenth Street, N.W., #700
202-371-8856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                     U.S.A.
                                                                                                                                                                                                                                                                                                                                         Diskette, 5.25 inch, 500 kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US/09/575,602
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lind & Ponack
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 Mismatches

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RESULT 42
US-08-252-966B-15
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                                                                                                                                                                                    Sequence 15, Application US/08252966B Patent No. 5624818 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                    Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 933 base pairs
                                                                                                                                          APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                       1597 TGTAAAAAAAAAAAAAAAAAAA 1619
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IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HYPOTHETICAL:
                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, J. STREET: 1420 Fifth Ave., Suite 2800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         POSITION IN GENOME:
                                                                                                             TITLE OF INVENTION: Regulatory Proteins that Dimerize with TITLE OF INVENTION: Mad or Max
                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CHROMOSOME/SEGMENT: MAP POSITION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CELL LINE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CELL TYPE:
                       STREET: 1420 Fift
CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
PUBLICATION DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ISSUE:
PAGES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UNITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HAPLOTYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DEVELOPMENTAL STAGE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOCUMENT NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                             RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VOLUME:
            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JOURNAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nucleic acid
98101-2347
                                                                                                                                            Hurlin, Peter J.
Ayer, Donald E.
                                                                                                                                                                      Eisenman, Robert N.
                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
             USA
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                                                                                                                                                                                                                                                                                                                                                     1.4%; Score 23; DB
100.0%; Pred. No. 0.
ive 0; Mismatches
                                                                                                    19
                                                                     Johnson, and KindnessPLLC
                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                      0.62;
                                                                                                                                                                                                                                                                                                                                                                                    Length 933;
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US-09-385-982-262/c
                                                                                                                         RESULT 38
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                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Triticum aestivum
US-09-433-248A-7
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-433-248A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-206-185-5
                                                           Sequence 262, Application US/09385982 Patent No. 6262334
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                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Falco, S. Carl
APPLICANT: Famodu, Omola)
APPLICANT: Han, Feng
APPLICANT: Rafalski, J. 1
                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7, Application US/09433248A Patent No. 6355462
                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/433,248A CURRENT FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,242
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 8
                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Microsoft Office 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Han, Feng
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: Disease Resistance Factors
FILE REFERENCE: BB1252 US NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 703-243-6410
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 530 base pairs
                                                                                                                                                                                                          1597 TGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1597 TGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 33,302
REFERENCE/DOCKET NUMBER: SCH 1359
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-243-6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 0: FILING DATE: 31-DEC-1991 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 07/756,211
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: HAWLET-KING, DIANA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 17-JUL-1992
PRIOR APPLICATION DATA:
O7/814,884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   508 TGTAAAAAAAAAAAAAAAAAA 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                 Local Similarity 100.0%;
nes 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Famodu, Omolayo O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           530 base pairs
                                                                                                                                                                                                                                                              1.4%; Score 23; DB 4;
100.0%; Pred. No. 0.65;
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                                                                                                                                                                                                                                               0; Mismatches
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                                                                                                                                                                                                                                                                                Length 588;
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RESULT 40
US-09-575-602-1
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5212073-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Patent No. 5212073
; APPLICANT: ROLLINS,
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    B
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EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 544
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                             Sequence 1, Application US/09575602 Patent No. 6392123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match

Best Local Similarity 100.0%; P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                      1597 ТGTAAAAAAAAAAAAAAAAAA 1619
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FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(593)
OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/385,982 CURRENT FILING DATE: 1999-08-30
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COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 593
TYPE: DNA
                                                                                                                                                                                                    APPLICANT: Crossland, Lyle D
APPLICANT: Harper, Stacy M
TITLE OF INVENTION: Method of Hybrid Seed Production Using
TITLE OF INVENTION: Conditional Female Sterility
                                                                                                                                                                 NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1597 ТСТАВАВАВАВАВАВАВАВАВА 1619
                                                                                                                                                                                                                                                                                                                                                                                                  Local 5.
                                                                            STREET: P.O. Box 12257
CITY: Research Triangle Park
STATE: NCNY
                                         COUNTRY: UZIP: 22057
                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 75 TGTAAAAAAAAAAAAAAAAAAA 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                            USA
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                                                                                                            Dept.
O. Box 12257
                                                                                                                                          No. 6392123artis Corporation - Patent & Trademark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.4%; Score 23; DB 6; 100.0%; Pred. No. 0.63;
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                                                                                                                                                                                                   Conditional Female Sterility
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; ORGANISM: Plant
US-09-186-188B-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 29
LENGTH: 502
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APPLICANT: Benfey et al
TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses
TITLE OF INVENTION: Thereof
FILE REFERENCE: 5914-074-999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local S
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PRIOR FILING DATE: 1996-04-26
NUMBER OF SEQ ID NOS: 79
                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,894
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/206,185
FILING DATE: 07-MAR-1994
APPLICATION NUMBER: US 08/116,889
FILING DATE: 07-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: ALAGON, ALEJANDRO
APPLICANT: POSSANI, LOURIVAL
APPLICANT: CUEVAS-AGGIRRE, DELIA
TITLE OF INVENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
TITLE OF INVENTION: INHIBITOR
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1597 TGTAAAAAAAAAAAAAAAAAA 1619
PRIOR APPLICATION DATA
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                                                                                                                                                                                                                                                                                                                                       STREET: 2200 CLARENDON BLVD., SUITE 1400
CITY: ARKLINGTON
STATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                      COUNTRY:
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KRAETZSCHMAR, JOERN
SCHLEUNING, WOLF-DIETER
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100.0%; Pred. No. 0.65;
ative 0; Mismatches 0; Indels
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; MOLECULE TYPE: cDNA US-08-462-894-5
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US-08-206-185-5
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/206,185
FILING DATE: 07-MAR-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/116,889
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP92/02052
FILING DATE: 04-SEP-1992
FILING DATE: 04-SEP-1992
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Best Local Similarity 100.0%; Pred. No. ...
Watches 23; Conservative 0; Mismatches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
STREET: 2200 CLARENDON BLVD., SUITE 1400
                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: CUEVAS-AGUIRKE, DELIA
TITLE OF INVENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
TITLE OF INVENTION: INHIBITOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-243-6333
TELEPAX: 703-243-6410
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FILING DATE: 17-JUL-:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
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ATTORNEY/AGENT INFORMATION:
NAME: HAMLET-KING, DIANA
REGISTRATION NUMBER: 33,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      508 ТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛА 530
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CITY: ARLINGTON
STATE: VIRGINIA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HAENDLER, BERNHARD
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17-JUL-1992
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-353
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US-09-372-422A-35
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SEQ ID NO 353
LENGTH: 436
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CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 353
                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Rudolf Jung
APPLICANT: Francols Barrieu
APPLICANT: Francols Barrieu
TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
FILE REFERENCE: 0919
CURRENT APPLICATION NUMBER: US/09/372,422A
CURRENT FILING DATE: 1999-08-11
                                                                                             SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 35 LENGTH: 442
                                                                                                                                                                                                                                                                                                                                                            Sequence 35, Application US/09372422A Patent No. 6313375
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TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
CURRENT FAPPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 199-07-13
CURRENT FILING DATE: 199-07-13
NUMBER OF SEQ ID NOS: 472
                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/098,692 PRIOR FILING DATE: 1998-08-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
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                                                                                                                                                            NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1597 TGTAAAAAAAAAAAAAAAAAAA 1619
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                                                                               TYPE: DNA
NAME/KEY: CDS
LOCATION: (2)...(257)
                                       FEATURE:
                                                        ORGANISM: Zea mays
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nes 23; Conserv
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Jiang, Yuqui
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100.0%; Pred. No. 0.66;
htive 0; Mismatches
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100.0%; Pred. No. 0.66;
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; TYPE: DNA; Oryza sp. US-09-186-276B-29
                                                                          ; TYPE: DNA
; ORGANISM: Plant
US-08-842-445-29
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US-08-842-445-29/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 79
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 29
LENGTH: 502
                                                                                                                                                   NUMBER OF SEQ ID NOS: 79
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Benfey et al.
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Best Local S
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                   Query Match
Best Local Similarity
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Best Local Similarity 100.0%;
 Matches
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PRIOR FILING DATE: 1997-04-24
PRIOR APPLICATION NUMBER: 08/638,617
PRIOR FILING DATE: 1996-04-26
                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/08/842,445A
CURRENT FILING DATE: 1997-04-24
EARLIER APPLICATION NUMBER: 08/638,617
EARLIER FILING DATE: 1996-04-26
                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses TITLE OF INVENTION: Thereof FILE REFERENCE: 5914-056-999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/186,276B CURRENT FILING DATE: 1998-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Helariutta, Yrjo
TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses Thereof
FILE REFERENCE: 5914-075-999
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                                                                                                                               LENGTH: 502
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              34 TGTAAAAAAAAAAAAAAAAAA 12
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   23;
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Wysocka-Diller,
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 Conservative
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100.0%; Pred. No. 0.
tive 0; Mismatches
1.4%; Score 23; DB 4;
100.0%; Pred. No. 0.65;
tive 0; Mismatches
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 Mismatches

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                                   Length 502;
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1597 TGTAAAAAAAAAAAAAAAAAA 1619

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APPLICAME: MITCHAM, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FRASTSEQ for Windows Version 3.0
SEQ ID NO 357
SEQ ID NO 357
TYPE: DNA
ORGANISM: Homo Sapien
US-09-352-616A-357
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US-09-014-969-5
; TOPOLOGY: linear; MOLECULE TYPE: cDNA
US-09-014-969-5
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APPLICANT:
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                                                                                                                                        TELEFAX: (617) 876-5851 INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1597 TGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES TITLE OF INVENTION: ENCODING THEM NUMBER OF SEQUENCES: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
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                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 413 base pairs
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ZIP: 02140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 87 Cambridge
                                                          TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/014,969
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Treacy, Maurice
Spaulding, Vikki
Agostino, Michael J.
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87 CambridgePark Drive
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McCoy, John M.
LaVallie, Edward R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
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US-09-605-785-353/c
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Best Local Similarity
Matches 23; Conserv
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CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 353
LENGTH: 436
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Patent No. 6321716
                                                                                                                                                                                                                                             Sequence 353, Application US/09439313 Patent No. 6329505
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Best Local Similarity
Matches 23; Conserv
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APPLICANT:
APPLICANT:
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APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
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APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
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APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
                                                                                APPLICANT:
APPLICANT:
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Skeiky, Yasir A.W.
Hepler, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vedvick, Thomas S. Carter, Darrick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Retter, Marc W. Stolk, John A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fanger, Gary R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Henderson,
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                                                                                                                              Jiang Yuqui
Reed, Steven G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Day, Craig H.
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                                                                                Fanger, Gary
Retter, Mark
                                                                                                                Kalos, Michael
                                                                                                                                                                Harlocker,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Li, Samuel
                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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100.0%; Pred. No. 0.
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Robert A.
                                                                                                                                                                Susan Louise
                                                                                                                                                                                                                                                                                                                                                                                                           1.4%; Score 23; DB
100.0%; Pred. No. 0.
ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 436;
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                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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RESULT 24
US-09-605-785-357/c
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                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                  Sequence 357, Application US/09605785
Patent No. 6321716
                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                            APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 14, Application US/08361441B Patent No. 6077948 GENERAL INFORMATION:
                                                                              APPLICANT:
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                                             APPLICANT:
                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: FIRSE, Janis K.
REGISTRATION NUMBER: 34.81
REFERENCE/DOCKET NUMBER: 0
            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 base pairs
                           APPLICANT:
                                                                                                                                                                                                                                                                                                          1597 TGTAAAAAAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/0
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1597 ТGTAAAAAAAAAAAAAAAAAAA 1619
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                                                                                                                                                                                                                                                                                      43 TGTAAAAAAAAAAAAAAAAAAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                        Match 1.4%; Score 23; Local Similarity 100.0%; Pred. No. es 23; Conservative 0; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible OPERATING SYSTEM: Window: SOFTWARE: FastSEQ for Win
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET:
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       Fanger, Gary R. Retter, Marc W.
                                        Henderson, Robert A. Kalos, Michael D.
                                                                          Jiang, Yuqui
                                                                                           Harlocker, Susan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  350 base pairs
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21-DEC-1993
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RESULT 26
US-09-352-616A-357/c
; Sequence 357, Application US/09352616A
; Patent No. 6395278
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                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapien US-09-439-313-357
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                                                                                                                                                                                                                                                                                               SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 357
LENGTH: 393
TYPE: DNA
                                                                                                                                                                                             Matches
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Best Local Similarity
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CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 357
LENGTH: 393
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMBOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Xu, Jiangchun
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APPLICANT:
APPLICANT:
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APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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Reed, Steven G.
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Carter, Darrick
Li, Samuel
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                                                                                                                                                                                         Conservative
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100.0%; Pred. No. 0.
tive 0; Mismatches
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0.67;
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SEQUENCE CHARACTERISTICS:
LENGTH: 345 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO 9200272
APPLICATION NUMBER: WO 9200272
PRIOR APPLICATION DATA:
APPLICATION UMBER: EP 91403352.7
FILING DATE: 10-DEC-1991
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
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TELEFAX: 612-332-9081
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 347 base pairs
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEPAX: 617/542-8906
TELEX: 200154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 3100 No. 5639948west Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Scheirlinck, Trees
APPLICANT: Komari, Tosihiko
TITLE OF INVENTION: Stamen-specific Promoters from Rice
NUMBER OF SEQUENCES: 38
                                                                             REFERENCE/DOCKET NUMBER: 80
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5300
                                                                                                                                APPLICATION NUMBER: EP 9140031
FILING DATE: 08-FEB-1991
ATTORNEY_AGENT INFORMATION:
NAME: Kowalchyk, Katherine M.
REGISTRATION NUMBER: 36,848
                                                                                                                                                                                                                                     APPLICATION NUMBER: EP 91402590.3 FILING DATE: 27-SEP-1991 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 3100 CITY: Minneapolis
                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/104,072B FILING DATE: 05-AUG-1993 CLASSIFICATION: 800
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 55402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     USA
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Morioka, Sinji
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US-08-171-385-14/c
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                                                       US-08-171-385-14
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Query Match
Best Local Similarity
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APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
                                                                                                                                                                TELEFAX: (617) 542-890
TELEX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1597 TGTAAAAAAAAAAAAAAAAAAAAAA 1619
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                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PS/2 Model 50z or 55sx OPERATING SYSTEM: MS-DOS (Version 5.0) SOFTWARE: WordPerfect (Version 5.1) CURRENT APPLICATION DATA:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
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ADDRESSEE: Fish & Richardson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Mediators TITLE OF INVENTION: Rejection NUMBER OF SEQUENCES: 32
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                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 350
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CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            284 ТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛ 306
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                                                                       TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
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   1.4%;
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   Score 23;
Pred. No.
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     DB 1;
0.67;
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                     Length 350;
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RESULT 19
US-08-171-385-20/c
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US-08-361-441B-27/c
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                                                                                Patent No. 5527884
GENERAL INFORMATION:
                                                                                                   Sequence 20, Application US/08171385 Patent No. 5527884
                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                  Matches
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TELEX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/
ETILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,81
APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
TITLE OF INVENTION: Mediators of Chronic Allograft
TITLE OF INVENTION: Rejection
NUMBER OF SEQUENCES: 32
                                                                                                                                                                                                                               1597 ТСТААЛАЛАЛАЛАЛАЛАЛАЛАЛ 1619
                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: RUSSEll, MATY E.
APPLICANT: Utans, Ulrike
TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION
NUMBER OF SEQUENCES: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
                                                                                                                                                                                                 40 TGTAAAAAAAAAAAAAAAAA 18
                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Fish & Richardson P.C. STREET: 225 Franklin Street
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SYSTEM: Windows 95
                                                                                                                                                                                                                                                                              1.4%; Score 23;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US/08/361,441B
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100.0%; Pred. No. 0.68;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      34,819
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                                                                                                                                                                                                                                                                              DB 3;
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Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20, Application US/08361441B Patent No. 6077948
                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                  ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
             APPLICATION NUMBER: US/08/361,441B
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171,385
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
COMPUTER: MS-DOS (Version 5.6

""" SYSTEM: MS-DOS (Version 5.1)
                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1597 TGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Russell, Mary E. APPLICANT: Utans, Ulrike TITLE OF INVENTION: MEDIATO
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TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: MS-DOS (Version 5 SOFTWARE: WordPerfect (Version 5.1) CURRENT APPLICATION DATA:
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ADDRESSEE: Fish & Richardson
                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 02110-2804
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CITY: Boston
STATE: Massac
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REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 05
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Fraser,
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100.0%; Pred. No.
ative 0; Mismatc
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0.67;
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US-08-171-385-22
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US-08-361-441B-22/c
US-08-361-441B-22/c
; Sequence 22, Application US/08361441B
; Patent No. 6077948
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No. 5527884
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPAX: (617) 542-8906
TELEX: 700164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 502 or 555X
COMPUTER: IBM P5/2 Model 502 or 555X
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FRESESQ for Windows Version 2.0b
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                                                                                                                                                                                                      TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                  APPLICANT: Russell, Mary E. APPLICANT: Utans, Ulrike
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TELEFAX: 200154
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CITY: E
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REGISTRATION NUMBER:
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02110-2804
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.4%; Score 23; DB 1; 100.0%; Pred. No. 0.68;
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US-08-361-441B-22
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US-08-171-385-27/c
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GENERAL INFORMATION:
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 321 base pairs
TYPE: nucleic acid
                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
NAME: Fraser, Janis K.
19 REGISTRATION NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPIONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 08/11
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/0: FILING DATE: 21-DEC-1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 3: CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Wary E. Russell APPLICANT: Ulrike Utans TITLE OF INVENTION: Mediators TITLE OF INVENTION: Rejection
                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 340
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REGISTRATION NUMBER: 34,819
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TOPOLOGY: li
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ZIP: 02110-2804
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STATE: Massa
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                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
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                                                                                                          TELEFAX: (617
                   STRANDEDNESS:
TOPOLOGY: linear
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                                nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fish & Richardson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      double
                   double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mediators of Chronic Allograft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.4%; Score 23; DB 3;
100.0%; Pred. No. 0.68;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US/08/361,441B
                                                                                                                                                                                                                                                                                                                                               US/08/171,385
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                                                                                                                                                                                 05433/006001
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0;

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; NAME/KEY: misc_feature
; LOCATION: (1)...(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 12
US-09-128-155-17/c
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                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER APPLICATION NUMBER: US 60/094,646
EARLIER FILING DATE: 1998-07-02
EARLIER FILING DATE: 1998-08-04
ROLEER FILING DATE: 1998-08-04
                Matches
                             Query Match
Best Local 9
                                                                                                                                                                                                                                                                            SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17, Application US/09128155
Patent No. 6117654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 24; Conserv
                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 4184 base pairs
                                                                                                                                                                                     ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                 TYPE: DNA
                                                                                                                                                                                                                                                     LENGTH: 176373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1596 GTGTAAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4138 GTGTAAAAAAAAAAAAAAAAAA 4161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: UT TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 343-4341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 21-JAN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Neuronal PAS Domain Protein NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: doub
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
  Similarity 100.0%; p
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: CALIFORNIA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.5%; Score 24; DB 2; Length 4184; 100.0%; Pred. No. 0.2; Indels
                      1.5%; Score 24; DB 3; 100.0%; Pred. No. 0.15;
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      Mismatches
  0;
                                             Length 176373;
  Indels
  0;
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  Gaps
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0;
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; FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: PrimerRGP
OTHER INFORMATION: RR713
US-09-306-290-16
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US-09-306-290-16/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Rovera, Giovanni
APPLICANT: Mukhopadhyay, Sunil
                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 16
                                                                           Matches
                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 16, Application US/09306290 Patent No. 6221635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: ROVERA, GIOVANNI
APPLICANT: MUKHOPAGHYAY, SUNII
TITLE OF INVENTION: METHODS FOR SOLID-PHASE AMPLIFICATION OF DNA TEMPLATE
TITLE OF INVENTION: (SPADT) USING MULTIARRAYS
FILE REFERENCE: 09924-10
CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 11
                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: METHODS FOR SOLID-PHASE AMPLIFICATION OF DNA TEMPLATE TITLE OF INVENTION: (SPADT) USING MULTIARRAYS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 11, Application US/09306290 Patent No. 6221635
                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
CURRENT SEQ ID NOS: 43
                                                                                                                                                                                                             LENGTH: 40
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Descr. OTHER INFORMATION: RR899
                               1597 ТGТАААААААААААААААААА 1619
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ORGANISM: Artificial Sequence
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23 TGTAAAAAAAAAAAAAAAAAA 1
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                                                                           23;
                                                                       Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description of Artificial Sequence: Primer RGP
                                                             1.4., 0;
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                                                                                       1.4%; Score 23;
100.0%; Pred. No.
                                                                     Mismatches
                                                                                                         DB 4;
                                                                                         0.81;
                                                                   0; Indels
                                                                                                         Length 40
                                                                   0,
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US-08-171-385-22/c

; Sequence RESULT 15

22, Application US/08171385

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; NAME/KEY: CDS
; LOCATION: 3..1
US-08-206-188B-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT-US91-02714-30
: Sequence 30, Application PC/TUS9102714
: GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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INFORMATION FOR SEQ ID NO: 31:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312-474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Wigler, Michael H.
APPLICANT: Colicelli, John J.
TITLE OF INVENTION: Cloning by Complementation and Related
TITLE OF INVENTION: Processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: CDNA
                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE: 19910419
                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: BOYUN, MICHAEL F.
REGISTRATION NUMBER: 25447
                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/206,188B FILING DATE: 01-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE:
COMPUTER: I
                                                                                                                                                                                                    OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Clough, David W. REGISTRATION NUMBER: 36107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two First National Plaza, 20 South Clark
                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                                                                                    CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
                                                                                                                                  CLASSIFICATION:
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24;
                                                                                                                                                                                                                                                                                                                                                 Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PatentIn Release #1.0, Version #1.25
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                                                                                                                                                                                                            PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                              Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
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                                                                                                                                                                         PCT/US91/02714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
  27805/30197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
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RESULT 10
US-09-511-6258-67
; Sequence 67, Application US/09511625B
; Patent No. 658882B;
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RESULT 11
US-08-785-310A-4
                                                                                 В
                                                                                                                                                                                                                                           US-09-511-625B-67
                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 67
LENGTH: 3375
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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TELEPHONE: (312) 346-5750
TELEFAX: (312) 984-9740
TELEX: 25-885
INFORMATION FOR SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
                                                                                                                                                              Matches 24; Conservative
                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/
PRIOR PILING DATE: 1998-01-05
PRIOR APPLICATION NUMBER: 60/
PRIOR APPLICATION NUMBER: 69/
PRIOR FILING DATE: 1997-08-27
NUMBER OF SEQ ID NOS: 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/511,625B CURRENT FILING DATE: 2000-02-23 PRIOR APPLICATION NUMBER: PCT/US98/17821 PRIOR FILING DATE: 1998-08-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Pierce, Jacalyn H.
TITLE OF INVENTION: ATTENDATED AND DOMINANT NEGATIVEVARIANT
TITLE OF INVENTION: CODAS OF STAT6: STAT6b AND STAT6c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1520 GTGTAAAAAAAAAAAAAAAAA 1543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of artificial Sequence:/No. 6368828e -
                                                                                                                                                                                                                                                              NAME/KEY: CDS
LOCATION: (115)...(2655)
                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: synthetic construct
                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: cDNA
                                                                                                                     1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                                                                                 3321 GTGTAAAAAAAAAAAAAAAAAA 3344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity les 24; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY:
                                                                                                                                                         y Match 1.5%; Score 24; DB 4; Length 3375; Local Similarity 100.0%; Pred. No. 0.21; hes 24; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                 FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patel, Bharvin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LaRochelle, William J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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100.0%; Pred. No. 0.21;
ative 0; Mismatches
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Sequence 4, Application US/08785310A Patent No. 5840532 GENERAL INFORMATION:

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APPLICANT:

McKnight, Steven Russell, David W.

Best Local Similarity

Conservative

100.0%;

Pred. No. 0.21;

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RESULT 7
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US-09-146-249A-31
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                                                                                                                         Matches
                                                                                                                                                      Query Match
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                                                                                                                                                                                                                                                                                                                      TELEFAX: (312) 474-0448
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 31,
                                                                                  1596 СТСТААЛАААЛЛААЛАЛАЛАЛА 1619
                                                       1520 GTGTAAAAAAAAAAAAAAAAAAA 1543
                                                                                                                                                                                                                                                                                                                                                             NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 276
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/206,188 FILING DATE: 01-WAR-1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: US 07/688,352 FILING DATE: 19-APR-1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 07
FILING DATE: 20-APR-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Colicelli, John J.
TITLE OF INVENTION: CLONING BY COMPLEMENTATION AND RELATED
TITLE OF INVENTION: PROCESSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1520 GTGTAAAAAAAAAAAAAAAAA 1543
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                  NAME/KEY:
                                                                                                                                                                                                                                                              STRANDEDNESS:
TOPOLOGY: 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: 07-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Chicago
STATE: Illino.
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                                                                                                                                      OCAL
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                                                                                                                         24;
                                                                                                                                    Similarity
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                                                                                                                                                                                                                                                                                                      3073 base pairs
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                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Marshall, O'Toole, Gerstein, Murray & Borun
233 South Wacker Drive/6300 Sears Tower
                                                                                                                                                                                                3..1109
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                                                                                                                                                                                                                                                              linear
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                                                                                                                  100.0%; P. ative 0;
                                                                                                                                                   1.5%;
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                                                                                                                                   Score 24; Pred. No.
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                                                                                                                                                DB 2;
                                                                                                                                   0.21;
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US-08-206-188B-31
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                                                                                                                                                                                                                                        Sequence 31, Application US/08206188B Patent No. 6100025 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 312-474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
                                                                                  TITLE OF INVENTED: 84
NUMBER OF SEQUENCES: 84
CORRESPONDENCE ADDRESS:
'""" Toole, '
""" Tower, 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Wigler, Michael H.
APPLICANT: Colicelli, John J.
TITLE OF INVENTION: Cloning by Complementation and Related
TITLE OF INVENTION: Processes
COMPUTER READABLE FORM
                                                                                                                                                                                                                                                                                                                                                                                                      1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312,474-6300
TELEFAX: 312-474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
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APPLICATION NUMBER: US 0.
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INCOMMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/146,249A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole,
STREET: 6300 Sears Tower, 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Wigler, Michael H.
APPLICANT: Colicelli, John J.
TITLE OF INVENTION: Cloning b;
TITLE OF INVENTION: Processes
NUMBER OF SEQUENCES: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
                                    COUNTRY:
                                                     CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE:
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Local Similarity 100.0%; P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Chicago
                       60606-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
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                                United States of America
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.5%; Score 24; DB 3; 100.0%; Pred. No. 0.21;
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                                                                                      Gerstein, Murray & Borun
South Wacker Drive
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US-09-068-140A-5
B
                                                                                                                                       ; NAME/KEY: CDS
; LOCATION: (58)...(1272)
US-09-413-574-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1, Application US/09413574
Patent No. 6235972
                                                                                    Query Match 1.5%; Score 24; DB 4; Best Local Similarity 100.0%; Pred. No. 0.22;
                                                                   Matches
                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/413,574
CURRENT FILING DATE: 1999-10-06
EARLIER APPLICATION NUMBER: 60/109,728
EARLIER FILING DATE: 1998-11-23
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Mahajan, Pramod B.
APPLICANT: Tagilani, Laura
TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof
FILE REFERENCE: 0964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 1046 base pairs
                                                                                                                                                                                                       LENGTH: 1522
TYPE: DNA
ORGANISM: Zea mays
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1596 GTGTAAAAAAAAAAAAAAAAAAAA 1619
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ATTORNEY/AGENT INFORMATION:
NAME: Dinner, Dara L.
REGISTRATION NUMBER: 33,680
REFERENCE/DOCKET NUMBER: C70237
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5017
                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1015 GTGTAAAAAAAAAAAAAAAAAA 1038
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APPLICATION NUMBER: US/09/068,140A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER:
1456 GTGTAAAAAAAAAAAAAAAAAAA 1479
                                1596 GTGTAAAAAAAAAAAAAAAAAA 1619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: KINCLE ORGANISM: Ben Alder
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                                                                   Conservative
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100.0%; Pred. No. 0.23;
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                                                                     Mismatches
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                                                                                                      Length 1522;
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5168051-9; Patent No. 5168051
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US-07-688-352C-31
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; NAME/KEY:
; LOCATION:
US-07-688-352C-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 31, Application US/07688352C Patent No. 5527896
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                                                                                                                                                                                                                            APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: BOTUN, Michael F.
REGISTRATION NUMBER: 25447
REFERENCE/DOCKET NUMBER: 27805/3019
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
TELEPAX: (312) 984-9740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 3073 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 21
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1596 GTGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: DERYNCK, RIK M.A.; GOEDDEL, DAVID V. TITLE OF INVENTION: NUCLEIC ACID ENCODING TGF-B ITS USES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Cloning by Complementation and Related TITLE OF INVENTION: Processes NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, V. CURRENT APPLICATION DATA: US/07/688,352C APPLICATION NUMBER: US/07/688,352C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                        FEATURE:
                                                                            MOLECULE TYPE: cDNA
                                                                                                                                                                                            TELEFAX: 15-3856
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Local Similarity 100.0%;
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STATE: Illinois
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                                                                                                              STRANDEDNESS:
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Colicelli, John J.
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; Pred. No. 0.21;
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Query Match

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Maximum DB
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Perfect score:
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       is the number of results predicted by chance to have a ater than or equal to the score of the result being printed,
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Copyright (c) 1993 - 2002 Compugen Ltd
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US-08-474-799C-31
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US-08-361-441B-37
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US-09-352-616A-357
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US-09-413-574-1
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8184.096 Million cell updates/sec
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Sequent No. 5168051
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                                                                         20, App1
20, App1
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357, App
5, Appli
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14, Appl
14, Appl
14, Appl
357, App
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17, Appli
11, Appli
16, Appl
22, Appl
22, Appl
27, Appl
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31, Appl
31, Appl
31, Appl
31, Appl
30, Appl
67, Appl
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NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSE: Smithkline Beecham Corporation
STREET: 709 Swedeland Road

STREET: 709 Swedeland CITY: King of Prussia

APPLICANT: Mary Rose Woodhead, Mark Andrew Taylor APPLICANT: and Rex Michael Brennan TITLE OF INVENTION: Blackcurrant Promoters and Genes NUMBER OF SEQUENCES: 15

ZIP: 19406-0939 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk

COUNTRY: STATE:

USA

PA

COMPUTER: IBM PC OPERATING SYSTEM:

IBM PC compatible

PC-DOS/MS-DOS

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US-09-103-663-10	US-07-869-933-10	US-09-173-300-21	US-08-252-966B-15	US-08-032-393-5	US-09-575-602-1	5212073-1	US-09-385-982-262	US-09-433-248A-7	US-08-206-185-5	US-08-462-894-5	US-09-186-188B-29	US-08-842-445-29	US-09-186-276B-29	US-09-372-422A-35	US-09-352-616A-353	US-09-439-313-353	US-09-605-785-353
10,	Sequence 10, Appl		Sequence 15, Appl		Sequence 1, Appli	. 5212	262	Sequence 7, Appli		5		29,	29,	35, A		353,	•

US-09-248-335-59

ALIGNMENTS

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RESULT 2 .
US-09-068-140A-5
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                                                                                                                                                                                                                           SEQ ID NO 59
LENGTH: 967
TYPE: DNA
ORGANISM: maize
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                                                                                                                                          Matches
                                                                                                                                                            Query Match
Best Local
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Patent No. 6096504
                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/248,335
CURRENT FILING DATE: 1999-02-10
EARLIER APPLICATION NUMBER: 08/924,759
EARLIER FILING DATE: 1997-September-05
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Microsoft Word Version 7.0A
                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: MCGONIGLE, BRIAN
APPLICANT: O'KEEF, DANIEL
TITLE OF INVENTION: PLANT GLUTATHIONE-S-TRANSFERASE ENZYMES
FILE REFERENCE: CL-1128-A
                                                                                        1596 GTGTAAAAAAAAAAAAAAAAAAAAA 161
                                                                      943 GTGTAAAAAAAAAAAAAAAAAAAA 966
                                                                                                                                          Local Similarity
nes 24; Conserv
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Pred. No. 0.23;
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OR APPLICATION NUMBER: 60/091478
OR FILING DATE: 1998-07-02
OR APPLICATION NUMBER: 60/091514
OR FILING DATE: 1998-07-01
OR APPLICATION NUMBER: 60/091519
OR APPLICATION NUMBER: 60/091519 OR APPLICATION NUMBER: 60/90429
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090431
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090435
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090444
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090445
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OR APPLICATION NUMBER: 60/09047
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OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090540
OR FILING DATE: 1998-06-24 DR FILING DATE: 1998-07-02

R APPLICATION NUMBER: 60/091633

DR FILING DATE: 1998-07-02

PR APPLICATION NUMBER: 60/091978

DR FILING DATE: 1998-07-07

PR APPLICATION NUMBER: 60/091982

PR FILING DATE: 1998-07-07 DR FILING DATE: 1998-06-25

OR APPLICATION NUMBER: 60/090678

OR FILING DATE: 1998-06-25

OR APPLICATION NUMBER: 60/090690

OR FILING DATE: 1998-06-25

OR APPLICATION NUMBER: 60/090694

OR APPLICATION NUMBER: 60/090695

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OR APPLICATION NUMBER: 60/090695

OR FILING DATE: 1998-06-25

OR FILING DATE: 1998-06-25 OR FILING DATE: 1998-06-22
OR APPLICATION NUMBER: 60/090252
OR FILING DATE: 1998-06-22
OR APPLICATION NUMBER: 60/090254
OR FILING DATE: 1998-06-22
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OR FILING DATE: 1998-06-23
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OR FILING DATE: 1998-06-18
OR APPLICATION NUMBER: 60/089908
OR FILING DATE: 1998-06-18
OR APPLICATION NUMBER: 60/089947
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APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676 APPLICATION NUMBER: 60/090863 FILING DATE: 1998-06-26 APPLICATION NUMBER: 60/091360 APPLICATION NUMBER: 60/090696 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090862 FILING DATE: 1998-06-26 FILING DATE: APPLICATION APPLICATION NUMBER: FILING DATE: 1998-07-02 APPLICATION NUMBER: 60/089952 FILING DATE: 1998-06-19 APPLICATION NUMBER: 60/090246 APPLICATION NUMBER: 60/089948 FILING DATE: 1998-06-19 60/092182 60/091626

Search completed: November Job time: 101.36 secs

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RESULT 45
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PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730P1C8
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OR FILING DATE: 1998-07-02
OR APPLICATION NUMBER: 60/091978
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OR APPLICATION NUMBER: 60/091982
OR FILING DATE: 1998-07-07
OR APPLICATION NUMBER: 60/092182
OR FILING DATE: 1998-07-09
                                              OR APPLICATION NUMBER: 60/078910
OR FILLING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/083322
OR FILLING DATE: 1998-04-28
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OR APPLICATION NUMBER: 60/084600
OR FILLING DATE: 1998-05-07
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FILING DATE: 1998-05-07
APPLICATION NUMBER: 60/087106
FILING DATE: 1998-05-28
APPLICATION NUMBER: 60/087607
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b. US20020132252A1
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Similarity 100.0%; Pred. No.
24; Conservative 0; Mismatc
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Roy, Margaret Ann
Stewart, Timothy A.
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OR APPLICATION NUMBER: 60/089105
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OR APPLICATION NUMBER: 60/089512
OR FILING DATE: 1998-06-16
OR APPLICATION NUMBER: 60/089514
OR FILING DATE: 1998-06-16
OR APPLICATION NUMBER: 60/089532
OR FILING DATE: 1998-06-17
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OR FILING DATE: 1998-06-17 OR APPLICATION NUMBER: 60/087827
OR FILING DATE: 1998-06-03
OR APPLICATION NUMBER: 60/088021
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NUMBER: 60/083322 : 1998-04-28

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APPLICATION NUMBER: 60/090542
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PRIOR APPLICATION NUMBER: 60/06/2250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06/5186
PRIOR ETLING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/06/5311
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APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C15
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          OR APPLICATION NUMBER: 60/065311
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Williams, P. Mickey
Wood, William I.
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1998-03-20
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Best Local S
Matches 24
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 286, Application US/09989732 Patent No. US20020123463A1
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            TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P273091C57
CURRENT APPLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-11-12
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OR FILING DATE: 1998-07-02
OR APPLICATION NUMBER: 60/091544
OR FILING DATE: 1998-07-01
OR APPLICATION NUMBER: 60/091519
OR FILING DATE: 1998-07-02
OR FILING DATE: 1998-07-02
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OR FILING DATE: 1998-07-07

OR APPLICATION NUMBER: 60/091982

OR FILING DATE: 1998-07-07

OR APPLICATION NUMBER: 60/092182

OR FILING DATE: 1998-07-09
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APPLICATION NUMBER: 60/0
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FILING DATE: 1998-07-02
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APPLICATION NUMBER: 60/065311
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Williams, P. Mickey
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Stewart, Timothy A.
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PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
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PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088826
FILING DATE: 1998-06-10
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FILING DATE: 1998-06-10
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FILING DATE: 1998-06-11
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APPLICATION NUMBER: 60/089512 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/089514 FILING DATE: 1998-06-16
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           FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090678
FILING DATE: 1998-06-25
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APPLICATION N
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089599
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APPLICATION NUMBER: 60/089514
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APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088861
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RESULT 42
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Patent No.
GENERAL INF
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APPLICANT:
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APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P273091C70
CURRENT APPLICATION NUMBER: US/09/989,731
CURRENT FILING DATE: 2001-11-20
                                                                                              APPLICANT:
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APPLICANT: Baker,Kevin P.
APPLICANT: Botstein,David
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DR FILING DATE: 1998-07-02
OR APPLICATION NUMBER: 60/091633
OR FILING DATE: 1998-07-07
FOR APPLICATION NUMBER: 60/091978
FOR APPLICATION NUMBER: 60/091982
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APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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APPLICATION NUMBER: 60/091626
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FILING DATE: 1998-06-25
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24; Conservative 0;
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                                                                                              Wood, William I.
                                                                                                            Williams,
                                                                                                                          Watanabe,
                                                                                                                                          Tumas,
                                                                                                                                                     Roy, Margaret Ann
Stewart, Timothy A.
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RESULT 41
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DR APPLICATION NUMBER: 60/090863
DR FILING DATE: 1998-06-26
DR APPLICATION NUMBER: 60/091360
DR FILING DATE: 1998-07-01
DR APPLICATION NUMBER: 60/091478
DR FILING DATE: 1998-07-02
DATE: 1998-07-02
DATE: 1998-07-02
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DR FILING DATE: 1998-06-25
DR APPLICATION NUMBER: 60/090695
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DR APPLICATION NUMBER: 60/090696
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DR APPLICATION NUMBER: 60/090862
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APPLICATION NUMBER: 60/
FILING DATE: 1998-06-25
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APPLICATION NUMBER:
FILING DATE: 1998-07
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FILING DATE: 1998-07-02
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US20020072497A1
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Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Watanabe, Colin K.
Williams, P. Mickey
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                                                                                                                         Grimaldi, J.Christopher Gurney, Austin L. Kljavin, Ivar J.
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Gerber, Hanspeter
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Eaton, Dan L.
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                                                                                           Napier, Mary A.
Pan, James
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1998-07-07
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0.67;
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APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C65
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PRIOR FILING DATE: 1997-66-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088025
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OR APPLICATION NUMBER: 60/088026
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088028
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GENERAL INFORMATION:
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DR APPLICATION NUMBER: 60/990540
DR FILING DATE: 1998-06-24
DR APPLICATION NUMBER: 60/090542
DR FILING DATE: 1998-06-24
DR APPLICATION NUMBER: 60/090557
DR FILING DATE: 1998-06-24
DR FILING DATE: 1998-06-24
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OR APPLICATION NUMBER: 60/091978
OR FILING DATE: 1998-07-07
OR APPLICATION NUMBER: 60/091982
OR FILING DATE: 1998-07-07
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FILING DATE: 1998-06-25
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APPLICATION NUMBER: 60/090694
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FILING DATE: 1998-07-01
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Baker, Kevin P.
Botstein, David
              Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Kljavin, Ivar J.
 Napier, Mary A.
                                                                                                                      Fong,Sherman
                                                                                                                                    Ferrara, Napoleone
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b; Pred. No. 0.6
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Patent No. US20020072092A1
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                                  APPLICANT: APPLICANT:
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
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FILING DATE: 1998-06-26
APPLICATION NUMBER: 60/0
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090695
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                                Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
Gerber, Hanspeter
                Fong, Sherman
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CURRENT APPLICATION NUMBER: US/09/989,723

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR APPLICATION NUMBER: 60/065186

PRIOR APPLICATION NUMBER: 60/065186

PRIOR APPLICATION NUMBER: 60/065186

PRIOR APPLICATION NUMBER: 1997-10-17

PRIOR FILING DATE: 1997-11-12
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PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
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OR APPLICATION NUMBER: 60/088026
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OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088029
OR FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/078910
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Roy, Margaret Ann
Stewart, Timothy A.
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FILING DATE: 1998-02-25
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Botstein, David
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Gurney, Austin L.
Kljavin, Ivar J.
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PRIOR FILING DATE: 1098-0 PRIOR APPLICATION NUMBER: 60/089908 PRIOR FILING DATE: 1998-06-18 PRIOR APPLICATION NUMBER: 60/089947 PRIOR FILING DATE: 1998-06-19 PRIOR APPLICATION NUMBER: 60/089801
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OR FILING DATE: 1998-06-12 APPLICATION NUMBER: 60/088212 FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/088217 APPLICATION NUMBER: 60/088655 FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/(FILING DATE: 1998-06-05 DR APPLICATION NUMBER: 60/09
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DR APPLICATION NUMBER: 60/090444
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                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/091519
                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1998-07-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
FILING DATE: 1998-06-25
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090542
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090557
FILING DATE: 1006-26
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FILING DATE: 1998-06-25
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090535
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/
FILING DATE: 1998-06-23
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FILING DATE: 1998-06-24
                                                                                 24;
                                                                                                Similarity
                                                                           Conservative
                                                                                                                                                                                                                               1998-07-07
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                                                                                          1.5%; Score 24;
100.0%; Pred. No.
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                                                                             0;
                                                                         Mismatches
                                                                                          DB 9;
0.67;
                                                                                                        Length 1337;
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RESULT 38
US-09-989-722-286
; Sequence 286, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.

Gaps

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US-09-764-870-15
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; ORGANISM: Homo sapiens
US-09-764-870-15
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                                                                                                                                       ; NAME/KEY: CDS
; LOCATION: (394)...(1056)
US-09-410-194-14
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Patent No. US20020042386A1
GENERAL INFORMATION:
APPLICANT: ROSen et al.
APPLICANT: ROSEN et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PTZ14
FILE REFERENCE: PTZ14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 15
LENGTH: 1066
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/764,870 CURRENT FILING DATE: 2001-01-17
                                                                                                                                                                                                                                                                   SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Tschopp, Jurg
APPLICANT: Thome, Margo
                                                                       Matches
                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/410,194
CURRENT FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: PCT/EP98/01857
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
PRIOR FILING DATE: 1997-04-01
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: French, E. Lars
TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
FILE REFERENCE: 11141-002001
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                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 27
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                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                  TYPE: DNA
1121 GTGTAAAAAAAAAAAAAAAAAA 1144
                    1596 GTGTAAAAAAAAAAAAAAAAAAAA 1619
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                                                                                    Local Similarity 100.0%;
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                                                                         24;
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Rimoldi, Donata
Hofmann, Kay
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Bodmer, Jean-Luc
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Hahne, Michael
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                                                                       Conservative
                                                                                          1.5%; Score 24; DB 10; Length 1190; 100.0%; Pred. No. 0.68;
                                                                     0;
                                                                             Mismatches
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RESULT 37
US-09-992-598-286
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CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062186
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-12
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C20
FILE REFERENCE: P2730P1C20
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PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
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PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
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PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-06-02
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                                     PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
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                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/088021 PRIOR FILING DATE: 1998-06-04
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PRIOR APPLICATION NUMBER: 60/
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PRIOR FILING DATE: 1998-06-02
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PRIOR FILING DATE: 1998-06-04
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                        APPLICATION NUMBER: 60/088029
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Kljavin,Ivar J.
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art, Timothy A.
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RESULT 33
US-09-925-300-384
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Sequence 384, Application US/09925300
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CURRENT FILING DATE: 2002-02-19
PRIOR APPLICATION NUMBER: 09/566,394
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: 60/133038
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: 60/133042
PRIOR APPLICATION NUMBER: 60/133042
PRIOR APPLICATION NUMBER: 60/133042
PRIOR FILING DATE: 1999-05-07
PRIOR FILING DATE: 1999-05-07
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                                                                                                                                                                                                                      Query Match
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Best Local Simon
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PRIOR APPLICATION NUMBER: 60/137667
PRIOR FILING DATE: 1999-06-04
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PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133436
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                                                                                                                                   1596 GTGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                     LENGTH: 939
TYPE: DNA
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS:
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PRIOR APPLICATION NUMBER: 60/133428
PRIOR FILING DATE: 1999-05-11
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APPLICANT: Weng, Zude
TITLE OF INVENTION: Nucleic Acid Fragments Encoding Proteins Involved in
TITLE OF INVENTION: Stress Response
FILE REFERENCE: BB1357 US NA
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PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133437
PRIOR FILING DATE: 1999-05-11
                                                                                             886 GTGTAAAAAAAAAAAAAAAAA 909
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US20020152497A1
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Thorpe, Catherine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Famodu, Omolayo O. Odell, Joan T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Falco, Saverio
Sakai, Hajime
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100.0%; Pred. No. 0.0
ative 0; Mismatches
                                                                                                                                                                                    1.5%; Score 24; DB 12; Length 939; 100.0%; Pred. No. 0.68;
                                                                                                                                                                            0
                                                                                                                                                                          Mismatches
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                                                                                                                                                                      0; Indels
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US-09-800-528-5
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                                                                             Query Match 1.5%; Score 24; DB 10; Length 1046; Best Local Similarity 100.0%; Pred. No. 0.68; Matches 24; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                       SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1014)
OTHER INFORMATION: n equals a.t.g, or c
NAME/KEY: misc feature
LOCATION: (1015)
OTHER INFORMATION: n equals a.t.g, or c
NAME/KEY: misc feature
LOCATION: (1026)
OTHER INFORMATION: n equals a.t.g, or c
LOCATION: (1026)
OTHER INFORMATION: n equals a.t.g, or c
LOCATION: (1026)
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5, Application US/09800528 Patent No. US20010016955A1
                                                                                                                                                                                                                                                                                                                PRIOR PILIAN COLOR PRIOR PRIOR APPLICATION NUMBER: PCT/EP/96048 PRIOR FILING DATE: 1996-11-04 PRIOR APPLICATION NUMBER: GB9522558.7 PRIOR FILING DATE: 1995-11-03
                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: C70237D1
CURRENT APPLICATION NUMBER: US/09/800,528
CURRENT FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: 09/068,140
PRIOR FILING DATE: 1998-11-02
PRIOR FILING DATE: 1998-11-02
                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 1: NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Taylor, Mark Andrew
APPLICANT: Brennan, Rex Michael
TITLE OF INVENTION: BLACKCURRANT PROMOTERS AND GENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 384
                                                                                                                                                                                            TYPE: DNA
ORGANISM: Ribes nigrum
                                                                                                                                                                                                                                                                                         SOFTWARE:
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                                           1596 GTGTAAAAAAAAAAAAAAAAAAA 1619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
1015 GTGTAAAAAAAAAAAAAAAAAAA 1038
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PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 1029
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         978 СТСТАЛАААААААААААААААА 1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
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                                                                                                                                                                                                                                                                                  FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Woodhead, Mary Rose
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                                                                                                                                                                                                                                                                                                                                                                                      PCT/EP/9604807
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ORGANISM: Arabidopsis thaliana US-09-770-791-315
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LENGTH: 373
TYPE: DNA
                                                                                                                                                                        RESULT 30
US-10-062-254-125
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APPLICANT: Grlach, Jrn
APPLICANT: INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 439, Application US/09924035A Patent No. US20020142319A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 24;
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APPLICANT: Hurban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: thallana
FILE REFERENCE: 2029 (PARA-018PR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/178,480
PRIOR FILING DATE: 2000-01-27
NUMBER OF SEQ ID NOS: 999
SOFTWARE: FastSEQ for Windows Version 4.0
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Best Local Similarity 100.0%;
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CURRENT FILING DATE: 2001-01-26
                                                                                        Sequence 125, Application US/10062254
Patent No. US2002013882A1
GENERAL INFORMATION:
APPLICANT: Cahoon, Edgar B
                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 2011US
CURRENT APPLICATION NUMBER: US/09/924,035A
CURRENT FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: US 60/148,784
PRIOR FILING DATE: 1999-08-13
NUMBER OF SEO ID NOS: 900
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                                                         APPLICANT:
                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Arabidopsis thaliana
APPLICANT:
                    APPLICANT:
                                      APPLICANT:
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                                  Cahoon, Rebecca E
Falco, Saverio Carl
Fang, Yiwen
                  Hantke, Sabine S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.5%; Score 24; DB 10; Length 373; ilarity 100.0%; Pred. No. 0.72; Conservative 0; Mismatches 0; Indels
  Lee, Jian-Ming
                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                  1.5%; Score 24; DB 10; Length 419; 100.0%; Pred. No. 0.72;

 Mismatches

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CURRENT APPLICATION NUMBER: US/09/925,300
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 627
                                                                                                                                                                                                                                                                                                                                                                                                RESULT 31
US-09-925-300-627
; Sequence 627, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
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CURRENT FILING DATE: 2002-02-01
PRIOR APPLICATION NUMBER: 09/630,346
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/146511
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 09/9-23
PRIOR FILING DATE: 1999-09-23
PRIOR FILING DATE: 1999-09-23
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SEQ ID NO 125
LENGTH: 766
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APPLICANT:
APPLICANT:
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PRIOR EILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/171515
PRIOR EILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/173535
PRIOR APPLICATION NUMBER: 60/173535
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PRIOR FILING DATE: 1999-12-09
PRIOR APPLICATION NUMBER: 60/171054
PRIOR FILING DATE: 1999-12-16
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PRIOR FILING DATE: 1999-09-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Polynucleotides Encoding Proteins Involved In Plant Metabolism
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NUMBER OF SEQ ID NOS: 375
                                                                                                                                                                                                                                                                                                           APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PAl01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Picramnia pentandra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                     FEATURE:
NAME/KEY: misc feature
                                          ORGANISM: Homo sapiens
                                                                TYPE: DNA
                                                                                   ENGTH:
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                                                                                       871
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Zheng, Peizhong
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Morgante, Michele
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100.0%; Pred. No. 0.1
tive 0; Mismatches
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. 0.69;
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APPLICANT: HORFman, Neil
APPLICANT: HUrban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: Thaliana
FILE REFERENCE: 2031US (PARA-020PRV)
CURRENT APPLICATION NUMBER: US/09/770,696
CURRENT EILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/178,278
PRIOR APPLICATION NUMBER: 60/178,278
NUMBER OF SEQ ID NOS: 911
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 104
LENGTH: 208
TYPE: DNA
TYPE: DNA
TYPE: DNA
                                                                                                                                                              RESULT 26
US-09-920-300A-58
; Sequence 58, Application US/09920300A
; Patent No. US20020136728A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Arabidopsis thaliana US-09-770-696-104
APPLICANT: King, Gordon E.
APPLICANT: Weagher, Madeleine Joy
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.547
CURRENT APPLICATION NUMBER: US/09/920,300A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-770-696-104
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                                                                                                                                                                                                                                                                                                                                                                                                Matches
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Best Local
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                         169 СТСТАААААААААААААААААА 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2886 AGTGTAAAAAAAAAAAAAAAAAAA 2910
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                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity 100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                         24;
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Raines, Tracy M.
Yu, Yang
Rameaka, Joshua G.
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Allen, Keith
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Haas, William David
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Hamilton, Carol M.
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Ledford, Brooke L.
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                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                  1.5%; Score 24; DB 10; Length 208; 100.0%; Pred. No. 0.74;
                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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0.25;
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RESULT 28
US-09-770-791-315/c
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; LENGTH: 258
; TYPE: DNA
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US-10-033-528-58
                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Gorlach, Jorn
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                                                                                                                                                                                              Sequence 315, Application US/09770791
Patent No. US20020062014A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: King, Gordo
APPLICANT: Meagher, M
APPLICANT: Xu, Jiangc
APPLICANT: Secrist, H
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              APPLICANT:
                                                                APPLICANT:
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APPLICANT:
                                              APPLICANT:
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Best Local Similarity
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CURRENT FILING DATE: 2001-12-26
NUMBER OF SEQ ID NOS: 1896
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature
LOCATION: 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 1789
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TYPE: DNA
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NAME/KEY: misc_feature
LOCATION: 258
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       Page, Amy
Matthew, Abraham V.
Ledford, Brooke L.
                                                     Yu, Yang
Rameaka, Joshua G.
                                                                                                                          Hamilton, Carol M.
                                                                                            Price, Jennifer L.
Raines, Tracy M.
                                                                                                                                              An, Yong-Qiang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Heather
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APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4911
LENGTH: 363
                                                                                                 APPLICANT: AJOHE, PAUL A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FLILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTMARE: FastSEQ for Windows Version 4.0

SEQ ID NO 5174

LENGTH: 395

TYPE: DNA

TYPE: DNA
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TYPE: DNA

ORGANISM: Bos taurus

OTHER INFORMATION: Clone ID: 39-LIB3058-009-Q1-K1-B12

US-09-960-352-9079
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US-09-867-701-5174/c
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CURRENT APPLICATION NUMBER: US/09/980,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 9079
                                                             ; ORGANISM: Homo sapien US-09-867-701-5174
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Matches
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Best Local :
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                   Query Match
Best Local Similarity
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100.0%;
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  Score 25;
Pred. No.
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    DB 10;
0.28;
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                     Length 395;
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US-09-919-580-143/c
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APPLICANT: Pyle, Ru
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 143
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APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.552
CURRENT APPLICATION NUMBER: US/09/919,580
CURRENT FILING DATE: 2001-07-30
                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 584
LENGTH: 2968
                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/124,270 PRIOR FILING DATE: 1999-03-12 NUMBER OF SEQ ID NOS: 1694
                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies FILE REFERENCE: PA106 \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Rosen et al
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NAME/KEY: misc_feature
LOCATION: 62, 74, 231,
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 62, \overline{7}4, 231, 357, 405, 499, 510, 532, 564 OTHER INFORMATION: n = A,T,C or G
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                                                                                                                                                       NAME/KEY: misc_feature
LOCATION: (454)
OTHER INFORMATION: n equals a,t,g, or c
                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                          TYPE: DNA
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                                                                                            NAME/KEY: misc_feature
LOCATION: (1437)
OTHER INFORMATION: n equals a,t,g, or c
                                                                                                                                                                                                                  FEATURE:
LOCATION: (2964)
                     NAME/KEY: misc_feature
                                     OTHER INFORMATION: n equals a,t,g, or c
                                                      NAME/KEY: misc_feature
LOCATION: (2961)
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US-09-867-701-2375
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-4251
    Sequence 2375, Application US/09867701
Patent NO. US20020132237A1
GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLICATION NUMBER: 2001-05-29
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; ORGANISM: Homo sapien
US-09-867-701-7826
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4251
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NUMBER OF SEQ ID NOS: 10912
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7826
LENGTH: 381
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Local Similarity 100.0%; Pred. No. 20-
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100.0%; Pred. No. 1.7e-42;
ative 0; Mismatches 0;
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100.0%; Pred. No. 2e-40;
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US-09-960-352-9079/c
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; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-2375
                                                                                                                                      Sequence 9079, Application US/09960352 Patent No. US20020137139A1 GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local 9
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LENGTH: 1368
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SEQ ID NO 2375
LENGTH: 558
TYPE: DNA
ORGANISM: Homo sapien
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CURRENT FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/197,538
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 1046
SOFTWARE: FASTSEQ for Windows Version 4.0
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FILE REFERENCE: MRI-016B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: n = A,T,C or G
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LOCATION: (1)...(1368)
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                                                                                                                                                                                                                                                                                                                    1593 АСАСТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛА 1619
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Similarity 100.0%; Pred. ייט.
הראבייטלויפ 0; Mismatches
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Brown, Jeffrey
Bolt, Andrew
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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Jones, Robert

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTMARE: FastSEQ for Windows Version 4.0

SEQ ID NO 8894

LENGTH: 201
                                                                                                                                                      APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CUPRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
INUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1532
LENGTH: 390
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US-09-867-701-1532
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FEATURE:

NAME/KEY: misc_feature

LOCATION: (1)...(390)

OTHER INFORMATION: n = A,T,C or
US-09-867-701-1532
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Patent No. US20020132237A1
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Best Local Similarity
Matches 166; Conserv
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                                                                                                                 ORGANISM: Homo sapien
                                                                                                                                         TYPE: DNA
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; ORGANISM: Homo sapiens
US-09-825-294-213
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 213
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Best Local Similarity
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Best Local S
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APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILIG DATE: 2001-04-03
                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: AGLATE, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           y Match 9.0%; Score 146; DB 10; Length 480; Local Similarity 99.5%; Pred. No. 3.8e-51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
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 Mismatches

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US-09-825-294-212
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GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Filing, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210111.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-2409
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Sequence 2409, Application US/09867701

Patent No. US20020132237A1
                                                                                                                                                              Sequence 212, Application US/09825294 Patent No. US20020004491A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 19.0%; Score 307; DB 10; Length 349; Best Local Similarity 100.0%; Pred. No. 1.7e-117; Matches 307; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2409
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APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLING DATE: 2001-05-29
                                                                                                                                                                                                                                                                                                                   1592 GACAGTG 1598
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 349
                                                                                                                                                                                                                                                                                                                                                                                   190 GTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCCTACTGGCCAGGAAA 131
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LENGTH: 1010
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; ORGANISM: Homo sapien US-09-867-701-4240
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; ORGANISM: Homo sapiens
US-09-825-294-212
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SEQ ID NO 4240
LENGTH: 409
TYPE: DNA
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Aglate, Paul A. APPLICANT: Jones, Robert APPLICANT: Harlocker, Sus
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SOFTWARE: FastSEQ for Windows Version 3.0
1405 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC 1464
                                                                                                                                                                       195 GAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC 136
                                                                                                                                                     438 TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
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 Mismatches

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OTHER INFORMATION: n - A,T,C or G
US-09-825-294-199
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                                                ORGANISM: Homo sapien US-09-867-701-1516
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Best Local :
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APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, ComPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
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Patent No. US20020132237A1
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                                                                                               SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 1516 LENGTH: 373
                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                 APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: HARLOCKER, SUSAN L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
              Query Match
Best Local Similarity
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                                                                                                                                                   NUMBER OF SEQ ID NOS:
                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                               330
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   100.0%;
                   19.5%;

 Mismatches

   Score 315;
Pred. No.
       8.7e-121;
                       DB 10;
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                       Length 373;
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                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature
LOCATION: (1)...(396)
OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1405 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC 1464
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                                                                                                                                                         GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 70
                                                                             GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                                                                                                          l Similarity
                                                                                                                                                                                                       19.1%; Score 310; DB 10; Length 396; ilarity 100.0%; Pred. No. 1e-118; Conservative 0; Mismathham
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APPLICANT: APPLICANT: APPLICANT: APPLICANT: Jones, Robert
APPLICANT: Jones, Robert
ITILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND DATAMACER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FBStSEQ for Windows Version 4.0
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; NAME/KEY: misc_feature
; LOCATION: 607
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-10876
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; Sequence 10876, Application US/09867701

; Patent No. US20020132237A1
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Best Local
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              1412 GTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGCCAAGGAAA 1471
                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                     1172 CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA 1231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 625
TYPE: DNA
                                                                                                   1112 CAGCGACAGGCGGCAGCACCACCTTGCACGAACACCCGGCGGAAACTGCTGCGAGGACA 1171
                                                                                                                                                   360 CTGGGCAGACGAGCAGGAGGAGAGAGAGAAAAAGAAAAACACAGCATGAGAACACA 419
                                                                                                                                                                                                                                                                                                                                                       121 CAGCGACAGGCGGCAGCACAGCACC-TGCACGAACACCCGGCGAAACTGCTGCGAGGACA 179
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 30.0%;
Local Similarity 99.8%;
es 606; Conservative
                                                                                                                                                                                                                                                    CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA 239
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Pred. No. 2.9e-191;
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: SOFTWARE: FastSEQ for Windows Version 3.0
: SEQ ID NO 208
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; Patent No. US20020004491A1
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CURRENT FILING DATE: 2001-04-03
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APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
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TYPE: DNA
ORGANISM: Homo sapiens
                                    1325 ATACGGCCAATGTCACAACAATCAGCC 1351
                                                                                                              1265 TCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC 1324
                                                                                                                                                      1003 GGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCG
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883 ATACGGCCAATGTCACAACAATCAGCC 857
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Similarity 99.8%;
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US-09-825-294-199

Sequence 199, Application US/09825294 Patent No. US20020004491A1

GENERAL INFORMATION

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                         CAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGAC 1380
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Eling, Steven P.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven B.
APPLICANTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
TITLE REFERENCE: 210121 484C5
CURRENT ELILING DATE: 2001-04-03
NUMBER: OF SEQ. ID NOS: 215
NUMBER: OF SEQ. ID NOS: 215
NUMBER: OF SEQ. ID NOS: 215
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TYPE: DNA
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LOCATION: (1)...(625)
OTHER INFORMATION: n =
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                                                                                                      CAGCGACAGGCGGCAGCACCACCTTGCACGAACACCCGGCGAAACTGCTGCGAGGACA 1171
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APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294
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NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 214
LENGTH: 1897
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
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CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 211
LENGTH: 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 211, Application Patent No. US20020004491A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 1619;
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APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C5
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'Cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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US-09-825-294-199
US-09-825-294-9
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US-09-990-442-286	9	-09-989-732-	-731	73	US-09-989-279-286	US-09-989-723-286	US-09-989-722-286	US-09-992-598-286	US-09-410-194-14	US-09-764-870-15	US-09-800-528-5	US-09-925-300-384	us-10-078-929-89	US-09-925-300-627	US-10-062-254-125	US-09-924-035A-439	US-09-770-791-315	US-10-033-528-58	US-09-920-300A-58	US-09-770-696-104	925-301-	US-09-919-580-143	US-09-867-701-5174	US-09-867-701-4911	US-09-960-352-9079
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ALIGNMENTS

; LENGTH: 1619 ; TYPE: DNA ; ORGANISM: Homo sapiens US-09-825-294-205 US-09-825-294-205 GENERAL INFORMATION: APPLICANT: XU, Jiangchun APPLICANT: XU, Jiangchun APPLICANT: Algate, Paul A. APPLICANT: Algate, Paul A. APPLICANT: Fling, Steven P. TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN FILE REFERENCE: 210121,484C5 CURRENT APPLICATION NUMBER: US/09/825,294 CURRENT FILING DATE: 2001-04-03 NUMBER OF SEQ ID NOS: 215 SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 205 LENGTH: 1619 Sequence 205, Application US/09825294 Patent No. US20020004491A1 Query Match 100.0%; Score 1619; Best Local Similarity 100.0%; Pred. No. 0; Matches 1619; Conservative 0; Mismatches 121 121 61 61 2001-04-03 Mismatches DB 10; OVARIAN CANCER 0; Indels Length 1619; 0;

Gaps

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apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonuclectide. The oligonuclectides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic corporations. organisms.

Sequence 51 BP; 9 A; 5 C; 10 G; 27 T; 0 other;

Query Match 1.5%; Score 25; DB 22; Length 51; Best Local Similarity 100.0%; Pred. No. 2.7; Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0

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Search completed: November 7, 2002, 18:15:59 Job time: 343.774 secs

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to oligonucleotides encoding polymorphic CC variants of proteins related to amylases, amyloid proteins, angiopoletin, application for the proteins of proteins, cadherin, cyclin, polymerase, oncogenes, cc apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, cc histones, kinases, colony stimulating factors, complement related CC G-proteins, cytochromes, kinesins, cytokines, interferons, interleukins, cc one such oligonucleotide. The oligonucleotides and the prevent of cc one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of CC diseases associated with inappropriate expression of the proteins listed CC above. Disorders that may be prevented, diagnosed and/or treated include CC multifactorial diseases with a genetic component, such as autoimmune CC systemic lupus erythromatosus and Grave's disease), filammation, cancer CC (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic cromanisms
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     Claim 2; Page 59-60; 103pp; English
                                Isolated nucleic acid fragments encoding magnesium chelatase subunits, useful as probes for genetic and physical mapping of genes, as markers for traits linked to these genes, and in plant breeding -
                                                                                                           P-PSDB; AAB48252.
                                                                                                                                                         Butler KH,
                                                                                                                                                                                                                       04-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Magnesium chelatase; transgenic; herbicide; gene marker; plant breeding;
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RESULT 45
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ID AAL27277 standard; DNA; 51 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CC transgenic plants in which the new polypeptides are present at higher or complete the polypeptides are present at higher or complete the polypeptides are present at higher or complete the polypeptides which could then be used for overexpression in bacterial cor yeast hosts to efficiently produce large amounts of the encoded corporate which could then be used for screening different compounds corporate the polypeptides may also be used for potential herbicidal activity. The polypucleotides may also be used as probes for genetic and physical mapping the genes that they are part corporate to a markers for traits linked to these genes. Such information compounds is useful in plant breeding. The polypeptides are used for preparing contibodies, which are useful for detecting the polypeptides in situ or invitro, and as a target to facilitate design and/or identification of compound to the polypeptides in situ or inhibitors of enzymes that may be used as herbicides. Host cells may also be used directly for screening different compounds for potential compounds continuity. The present sequence represents the soybean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                 Claim 1; Page 1529; 4143pp; English.
                                                                                      Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinase; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection; nervous system disease; ss.
                                                                                                                                                                                    WPI; 2001-465210/50
                                                                                                                                                                                                                           Shimkets RA,
                                                                                                                                                                                                                                                                    (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                           27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                                                                                                                                               28-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                    28-DEC-2000; 2000WO-US35498.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human SNP oligonucleotide #485.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAL27277;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2424 CAGTGTAAAAAAAAAAAAAAAAAAA 2449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1594 САСТСТАРАВАВАВАВАВАВАВАВАВ 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2481 BP; 783 A; 489 C; 589 G; 620 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             magnesium chelatase subunit encoding cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to nucleic acid fragments encoding magnesium chelatase subunits. The nucleic acid fragments may be used to create
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                           Leach M;
                                                                                                                                                                                                                                                                                                                             9905-0173419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 26;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 22; Length 2481; 0.64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
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The present invention relates to oligonucleotides variants of proteins related to amylases, amyloid

encoding polymorphic
proteins, angiopoietin,

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RESULT 42
AAL33985/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to oligonucleotides encoding polymorphic cc variants of proteins related to amylases, amyloid proteins, angiopoietin, cc apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, thatones, kinases, colony stimulating factors, complement related cc proteins, cytochromes, kinesins, cytokinass, interferons, interleukins, cc G-protein coupled receptors and thioesterases. The present sequence is cc one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of cc diseases associated with inappropriate expression of the proteins listed cabove. Discriders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune cc diseases (e.g. rheumatolid arthritis, multiple sclerosis, diabetes, cc systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, cancer clerokemia), diseases of the nervous system and an infection of pathogenic
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 3450; 4143pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 50 BP; 11 A; 16 C; 10 G; 13 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                          Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human SNP oligonucleotide #7193.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAL33985 standard; DNA;
                                                                                                                                                                                                                                                                                                                     complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-JAN-2002 (first entry)
               Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         933 GACTGGGACTTAGACTGGGGCTCGGC 958
                                                                                                                                                   28-DEC-2000; 2000WO-US35498.
                                                                                                                                                                                                                             WO200147944-A2.
                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                   nervous system disease; ss
                                                       (CURA-) CURAGEN CORP.
                                                                                           28-DEC-1999;
27-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      50 GACTGGGACTTAGACTGGGGCTCGGC 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                           99US-0173419.
2000US-0173419.
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100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   рв 22; Length 50;
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RETURN SERVICE CONTROL OF SERVIC
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AAL33986/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoletin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Page 3451; 4143pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-465210/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1285 GCCGCAGCCATGATCCTCCGAATCTG 1310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinase; cotony stimulating; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         organisms.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 50 BP; 14 A; 13 C; 17 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human SNP oligonucleotide #7194.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAL33986 standard; DNA; 50 BP
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                                                                                                                                                                                                                                                                                                                                                             28-DEC-2000; 2000WO-US35498.
                                                                                                                                                                                                                                                                                                                                                                                                                                05-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nervous system disease;
                                                              WPI; 2001-465210/50.
                                                                                                                                 Shimkets RA,
                                                                                                                                                                                                                                                               28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                            (CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26
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                                                                                                                                 Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Polymorphic nucleic acids

encoding e.g.

amylases, cyclins, polymerases,

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AC XX 
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(MILL-) MILLENNIUM PREDICTIVE MEDICINE INC
                                                 14-APR-2000; 2000US-197538P.
                                                                                                  13-APR-2001; 2001WO-US12132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                detecting RNA transcripts and splice variants of human or animal libraries to detect transcripts and splice variants of human or animal libraries to detect transcripts of a sub-transcriptome under a particular biological transcripts of a sub-transcriptome under a particular biological or pathology specific genes such as those genes only expressed in specific tissue under a specific pathological condition; to detect developmental specific genes; and to detect RNA transcripts and splice variants of a transcriptome of a patient suffering oligonucleotide sequences from rats, humans and mice, which are used in N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                    WO200179556-A2
                                                                                                                                                                                                                                                                                                                                     Human; cancer cell marker; TAXOL; cytostatic; tumour; carcinoma; squamous cell carcinoma; sarcoma; fibrosarcoma; leukaemia;
                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                     Human cancer agent-sensitive marker #326.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAS60824;
                                                                                                                                                                                                                                                                                                 Hodgkin's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAS60824 standard; cDNA; 1368 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes oligonucleotide libraries for detecting messenger RNAs that populate a (sub-)transcriptome, where the (sub-)transcriptome comprises messenger RNAs transcribed from multiple transcription units that populate a genome. The library comprises several oligonucleotides, each capable of hybridising selectively to a set of messenger RNAs transcribed from a given transcription unit of the normal which capable of hybridising selectively to a set of messenger RNAs transcribed from a given transcription unit of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         biological sample, in expression profiling studies, in qualitatively or quantitatively characterising the corresponding transcriptome, and in
                                                                                                                                                                                                                                                                                                           ymphocytic leukaemia; lymphoma; plasmocytoma; reticulum cell sarcoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             864 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG 923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 60 BP; 17 A; 17 C; 15 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 1; SEQ ID 14725; 47pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New oligonucleotide libraries comprising oligonucleotides which selectively hybridize to mRNAs transcribed from a transcription unit of a genome, useful for detecting tissue-, pathology-, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            developmental-specific genes
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             genome, which encodes one or more messenger RNA splice variants.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wasserman A,
                                                                                                                                                                                                                                                                                                 glioma; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.08; ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mintz E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 60;
Pred. No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 24; Length 60; 2.3e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Faigler S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
                                                                                                          DT DT DT XXX
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RESULT 41
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CC The methods can be used to determine the effectiveness of TAXOL

CC in the treatment of cancer cell growth in an individual. The markers

CC chambetherapeutic compounds. The markers can also be used as targets in

CC developing treatments for cancer, particularly those cancers which

CC display resistance to agents and exhibit expression of the markers. The

CC anticancer agents developed by the novel method can be used to treat

CC cancer. Probes based on the markers can be used to detect transcripts or

CC genomic sequences corresponding to the markers, in the identification of

CC cells or tissues which mis-express the protein. Cancers which may

CC be targeted include carcinoma (e.g. squamous cell carcinoma),

CC lymphoma, plasmocytoma, reticulum cell sarcoma, Hodgkin's disease and

CC novel cancer cell markers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antinicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cytolin; polymerase; oncogene; histone; kinase; colony stimulating factor complement related protein; cytochrome; kinesin; cytokine; interferon;
28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                   28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                               WO200147944-A2
                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                               nervous system disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                      multifactorial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human SNP oligonucleotide #7192.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAL33984 standard; DNA; 50 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1593 ACAGTGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                     complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1368 BP; 517 A; 312 C; 321 G; 213 T; 5 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      markers for determining the sensitivity of a cancer cell to the anticancer agent TAXOL. Cancer cells can be treated with TAXOL when they are shown to express one of the 242 sensitivity markers or the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            459 ACAGTGTAAAAAAAAAAAAAAAAAAAA 485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to 1046 novel nucleic acids which are used as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 339-340; 527pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel nucleic acid, used as a marker to determine the effectiveness using TAXOL to treat cancer cell growth in individuals - \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-602933/68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lillie J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                        disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bolt A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 27;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Van Huffel C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 22;
. 0.28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1368;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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Algate PA, Harlocker SL,

Jones R;

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The present invention describes a composition (I) comprising: carriers cc and immunostimulants; and a polypeptide (II) having a cDNA sequence (C) sly from the 10912 nucleotide sequences as given in ABL77023 to computation of (II) encoding (II) having a sequence (S2), a T cell cc (II) has cytostatic activity. An ollgonucleotide (IV) that hybridises to (II) has cytostatic activity. An ollgonucleotide (IV) that hybridises to (II) has cytostatic activity. An ollgonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample from a patient with (IV) detecting the contacting a biological sample from a patient with (IV) detecting the cc amount of polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) and comparing the cc apredetermined cutoff value and thereby detecting ovarian cancer in the cc detected preferably by polymerase chain reaction (PCR). (I) comprising cc (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells with (III) or (II). (III) is useful in design and preparation of cc with (III) or (III). (III) is useful in design and preparation of cc suitable library e.g., a tumour cDNA library using well known
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 PI PAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID 4251; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-122075/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 430 BP; 92 A; 121 C; 108 G; 109 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   techniques.
                                                                                                                                                                                                                                                                                        Human ovarian cancer related cDNA clone SEQ ID NO:2375.
                                                                                                                                                                                                                                                                                                                              17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                     ABL79397 standard; cDNA; 558 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Algate PA,
                                                                                                                                                                                  WO200192581-A2.
                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                       Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-MAY-2000; 2000US-207484P
                                                                                                           29-MAY-2001; 2001WO-US17756.
                                                                                                                                               06-DEC-2001
                                      (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
 Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7.4%; Score 120; DB 24; Length 430; 100.0%; Pred. No. 1.4e-38;
     Jones
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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RESULT 39
ABN41977/c
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CC population of (II) or antigen presenting cells that express (II).
CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting overlan cancer in a patient's biological CC (S2) can be used for detecting overlan cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises CC contacting a biological sample from a patient with (IV), detecting the CC amount of polynucleotide hybridising to (IV) and comparing the amount to CC apredetermined cutoff value and thereby detecting ovarian cancer in the CC patient, where the amount of polynucleotide hybridising to (IV) is CC patient, where the amount of polynucleotide hybridising to (IV) is CC (III) and/or (II) is useful for stimulating and/or expanding T cells CC specific for an ovarian tumour protein comprising contacting T cells CC with (III) or (II) (III) is useful in design and preparation of CC and proteins in tumour cells; and to isolate a full length gene from a CC suitable library e.g., a tumour CDNA library using well known
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polynucleotide (III) having a CDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; SEQ ID 2375; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-122075/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1138 TGCACGAACACCCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACC 1197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 558 BP; 147 A; 133 C; 166 G; 106 T; 6 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          techniques.
                                                                                                                                                                                                                                                splice variant; transcriptome; oligonucleotide library;
                                                                                                                                                                                                                                                                                                  Human spliced transcript detection oligonucleotide SEQ ID NO:14725
                                                                                                                                                                                                                                                                                                                                                                            ABN41977;
                                                                                                                                                                                                                                                                                                                                                                                                                ABN41977 standard; DNA; 60 BP
                                                                                                                                                                                                                                                                   Human; mouse; rat; splice transcript; detection; RNA transcript;
                                                                                                                                                                                                                                                                                                                                          15-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-JUL-2000;
02-MAY-2001;
                                                                                                                                            07-FEB-2002.
                                                                                                                                                                              WO200210449-A2
                  (COMP-) COMPUGEN INC
                                                                                                          20-JUL-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                            2001WO-IB01903.
                                                     2000US-221607P.
2001US-287724P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 112; DB 24; pred. No. 2.2e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0,:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 558;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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ABL84848
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WPI; 2002-122075/16
                                 Algate PA, Harlocker SL,
                                                                                                   26-MAY-2000; 2000US-207484P
                                                                    (CORI-) CORIXA CORP.
                                                                                                                                                                             06-DEC-2001.
                                                                                                                                                                                                                                                                       Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss
                                                                                                                                                                                                                                                                                                          Human ovarian cancer related cDNA clone SEQ ID NO:7826.
                                                                                                                                      29-MAY-2001; 2001WO-US17756.
                                                                                                                                                                                                              WO200192581-A2
                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                 17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                     ABL84848 standard; cDNA; 381 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polypucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 480 BP; 86 A; 154 C; 153 G; 87 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence represents the ovarian carcinoma BE336607 nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           280 GCCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             rocar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CCGCAAGTCCTGTGCAT 476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCGCAAGTCCTGTGCAT 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGTGAACGTTCAAGACATGTGTGAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            196;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.0%; Score 146; DB 24; -- 99.5%; Pred. No. 5e-49; Indels
                               Jones R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 24; Length 480;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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RESULT 37
ABL81273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                  26-MAY-2000; 2000US-207484P
                                                                                                                                    06-DEC-2001.
                                                                                                                                                                                                                                             Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss
              (CORI-) CORIXA CORP
                                                                                          29-MAY-2001; 2001WO-US17756.
                                                                                                                                                                                                                                                                                                                                    17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount to polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells with (III) or (II). (III) is useful in design and preparation of ribozyme molecules for inhibiting expression of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a solitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                            WO200192581-A2
                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                       Human ovarian cancer related cDNA clone SEQ ID NO:4251.
                                                                                                                                                                                                                                                                                                                                                                                                             ABL81273 standard; cDNA; 430 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1019 GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGTGGAGTGCGCATG 1078
                                                                                                                                                                                                                                                                                                                                                                                ABL81273;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1079 TACGC 1083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 381 BP; 85 A; 101 C; 122 G; 73 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polynucleotide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell population of (II), or antigen presenting cells that express (II). In the cytostatic activity. An oligonucleotide (IV) that hybridises to (II) has cytostatic activity. An oligonucleotide (IV) that hybridises to (II) has cytostatic activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               176 GGACGCGAAGAGCAACGGGGGGCGCTGCACAAAGCGGGGGGCTGTCGGTGGAGTGCGCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      236 TACGC 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID 7826; 489pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Pı
vative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.7%; Score 125; DB 24; Length 381; 100.0%; Pred. No. 1.4e-40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cancer in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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The present invention describes a composition (I) comprising: carriers CC and immunostimulants; and a polypeptide (II) of a ovarian tumour CC polypeptide encoded by a polynucleotide (III) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL79023 to CC (ABL89934, (III) encoding (II) having a sequence (S2), a T cell CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises CC contacting a biological sample from a patient with (IV), detecting the CC contacting a biological sample from a patient with (IV), detecting the CC contacting a biological sample from a patient with (IV), detecting the CC apredetermined cutoff value and thereby detecting ovarian cancer in the CC extent, where the amount of polynucleotide hybridising to (IV) is CC detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells CC with (III) or (II) (III) is useful in design and preparation of cells conducted the comprise of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides a suitable library e.g., a tumour cDNA library using well known
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; SEQ ID 1532; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1358 AGACACGAGCAGGAGGAGAGACAGAGAAAAGAAAAACACAGCATGAGAAACACAGCATAAAT 1417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1478 CAATITITCAGIGITGGACTIGACAGCTICITIT 1511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1418 GAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC 1477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 390 BP; 121 A; 82 C; 99 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                               Human ovarian carcinoma associated coding sequence SEQ ID NO: 213
                                                                                                                                                                                                                                                                                                                                                                                                                            05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABT03283 standard; cDNA; 480 BP
Хu J,
                                                                        14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                                         WO200239885-A2
                                                                                                                                                                                                                                                                                                                        cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                         Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                   23-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   147 AGACACGAGCAGGAGAGAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAAT 206
                                    (CORI-) CORIXA CORP.
                                                                                                                                                         13-NOV-2001; 2001WO-US45395.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            267 CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         154;
  Stolk JA, Algate PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.5%; Score 154; DB 24; Length 390; 100.0%; Pred. No. 3.1e-52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
Fling SP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
  Molesh DA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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RESULT 35
ABL40351
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Matches 196;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 2; Page 196; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-500186/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 480 BP; 86 A; 154 C; 153 G; 87 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    of the invention.
                                                                                                             01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                      ABL40351 standard; cDNA; 480 BP.
                                                                                                                                                                                                                                                                                                  Ovarian carcinoma BE336607 nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    280
                                                                                                                                                                                                                                                                          Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                                                                                                                                         28-JUN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (XUJJ/) XU J.
(STOL/) STOLK
                                                                                                                                                                      03-APR-2001; 2001US-0825294.
                                                                                                                                                                                                                    US2002004491-A1
                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        400 GGTGAACGTTCAAGACATGTGTGAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 459
WPI; 2002-171027/22
                     Xu J,
                                                                                                   14-NOV-2000;
                                                                                                                                               10-SEP-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                             460 CCGCAAGTCCTGTGCAT 476
                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 CCGCAAGTCCTGTGCAT 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
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                     Stolk JA, Algate PA,
                                          ) STOLK J A.
) ALGATE P A.
) FLING S P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                   2000US-0561778.
2000US-0640173.
2000US-0656668.
2000US-0713550.
                                                                                                                                                 99US-0394374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 146; DB 2
Pred. No. 5e-49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 24; Length 480;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
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Best Local
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                                                      Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
                                                                                                                                                                                                                     WPI; 2002-122075/16.
                                                                                                                                                                                                                                                                                  Algate PA, Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                     (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                               26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2001; 2001WO-US17756.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABL85916 standard; cDNA; 201 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA). Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200192581-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human ovarian cancer related cDNA clone SEQ ID NO:8894.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       534
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        474
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 294 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGGAGGAGCAAAGTGCCGGGATCATGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTGCTCCCCA 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTGCTCCCCA 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTTTCTGCCGGGTACCAGTCCTT
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100.0%; Pred. No. 8e-91;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                  Jones R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 22; Length 591;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          413
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Claim 1; SEQ ID 8894; 489pp; English

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CC The present invention describes a composition (I) comprising: carriers CC and immunostimulants; and a polypeptide (II) of a ovarian tumour CC polypeptide encoded by a polynucleotide (III) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC (S1) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises CC contacting a biological sample from a patient with (IV), detecting the CC amount of polynucleotide hybridising to (IV) and comparing the amount to CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC patient, where the amount of polynucleotide hybridising to (IV) is CC detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells contacting molecules for inhibiting expression of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a CC suitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                       WPI; 2002-122075/16.
                                                                                                                                Algate PA,
                                                                                                                                                                                                       26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                                               WO200192581-A2
                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                   Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Human ovarian cancer related cDNA clone SEQ ID NO:1532.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1343 CAATCAGCCCTGGGCAGACACGAGCAGGAGGAGGAGACAGAGAAAA 1388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1223 AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1282
                                                                                                                                                                     (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABL78554;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABL78554 standard; cDNA; 390 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1283 TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 1342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 201 BP; 28 A; 61 C; 46 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181 AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 122
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             166;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                              Harlocker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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Pred. No. 5.2e-57;
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TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG 270

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RESULT 30
ABL81262/c
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                                               cc and immunostimulants; and a polypeptide (II) of a ovarian tumour cc polypeptide encoded by a polynucleotide (III) having a cDNA sequence (CS1) from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell CC (S1) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample preferably serum or ovarian tissue. The method comprises (CC contacting a biological sample from a patient with (IV), detecting the CC contacting a biological sample from a patient with (IV), detecting the CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC attention and/or (II) is useful for stimulating and/or expanding T cells contacting (III) and/or (III) is useful for stimulating and/or expanding T cells condition (III) or (III) is useful in design and preparation of cribozyme molecules for inhibiting expression of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a suitable library e.g., a tumour CDNA library using well known
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human ovarian cancer related cDNA clone SEQ ID NO:4240.
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  Sequence 409 BP; 89 A; 106 C; 87 G; 127 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG 497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CATCAGCTGCTACACCCCCTCTTTGTAAC 301
                                                                                                                                                                                                                                                                                                                                                                                                                               present invention describes a composition (I) comprising: carriers
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1285 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1344

Matches Query Match Best Local

314;

Conservative

0;

Mismatches

Indels

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Similarity

16.3%; Score 264; DB 2.99.7%; Pred. No. 2e-96;

DB 24; Length 409; <u>,,</u>

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAB88317 - AAF94295 and AAF62232 - AAF62235 which are used to isolate the AAF93917 - AAF94295 and AAF62232 - AAF62235 which are used to isolate the cDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; secretory protein; membrane protein; vaccine; gene therapy;
rheumatoid arthritis; diabetes; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Primer specific for DNA encoding secretory/membrane protein SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAF94044 standard; DNA; 591 BP
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                                                                                                                                                                                                                                                      Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development \dot{\cdot}
                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-JUL-2000; 2000EP-0114090.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                            Claim 4; SEQ ID 478; 609pp + CD ROM; English.
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11-JAN-2000;
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                                                                                                                                                                                                                                                                                                                                      Isogai T, Nishikawa T,
                                                                                                                                                                                                                                                                                                                                                                                                ; 99JP-0194179.
; 2000JP-0118775.
; 2000JP-0183766.
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                                                                                                                                                                                                                                                                                                                                        Kawai Y, Sugiyama T,
                                                                                                                                                                                                                                                                                                                                         Hayashi K;
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ABT03282
ID ABT0
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Best Local :
        ABL40350 standard; cDNA; 1010 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1010 BP; 266 A; 344 C; 254 G; 146 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 2; Page 195; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
                                                                                                       498 CATCAGCTGCTGCAACACCCCTCTTTGTAAC 528
                                                                                                                              271 CATCAGCTGCTGCAACACCCCTCTTTGTAAC 301
                                                                                                                                                                                                  438
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-SEP-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human ovarian carcinoma associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                             258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cytostatic; gene; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   31 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                         TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG 270
                                                                                                                                                                                                                                                                                       AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG 210
                                                                                                                                                                                                                                                                                                                                                CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 377
                                                                                                                                                                                                                                                                                                                                                                                    CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 150
                                                                                                                                                                                                                                                                                                                                                                                                                            AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 317
                                                                                                                                                                                   TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
                                                                                                                                                                                                                                                               AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG 437
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16.7%; Score 271; 100.0%; Pred. No.
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Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the expression of a polypeptide in appropriate host cells. The current sequence represents the ovarian carcinoma BF345141 nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1010 BP; 266 A; 344 C; 254 G; 146 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or
                            151 AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim la; Page 126-127; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                             WPI; 2002-171027/22.
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15-AUG-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ovarian carcinoma BF345141 nucleotide sequence.
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                                                                                                                                                           CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention relates to ovarian tumour polynucleotides and polypeptides
AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
                                                                                                        271;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) XU J.
) STOLK J A.
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2000US-0656668
2000US-0713550
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                                                                                                                                                                                                                                                                                                                         16.7%; Score 271; DB 24; 100.0%; Pred. No. 2.7e-99; tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The sequences given in records ABLA8750-ABLA8956 represent polynucleotides encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are in a for treating a cancer to the contract of a cancer in a patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1a; Page 41-42; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            stimulating an immune response in a patient, and for treating a cancer a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 396 BP; 90 A; 117 C; 95 G; 92 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ovarian carcinoma proteins.
                                                                                                                                                                                                                   ABL79431;
                                                                                                                                                                                                                                                         ABL79431 standard; cDNA; 349 BP
                  WO200192581-A2
                                                                                                Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                    Human ovarian cancer related cDNA clone SEQ ID NO:2409
                                                                                                                                                                            17-MAY-2002
                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
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                                                                                                                                                                                                                                                                                                                                                          311 CGGGCCAAGG 320
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 GCCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GGCAACTTTTTGCGGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 130
                                                                                                                                                                                                                                                                                                                                                                                                  CGGGCCAAGG 310
                                                                                                                                                                                                                                                                                                                                                                                                                                     CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA
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                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19.1%; Score 310; DB 24; Length 396; 100.0%; Pred. No. 6.7e-115;
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The present invention describes a composition (I) comprising: carriers cc and immunostimulants; and a polypeptide (II) having a cDNA sequence (C sl) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell (C population of (II), or antigen presenting cells that express (II). (C population of (II), or antigen presenting cells that express (II). (C (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (C (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises (C contacting a biological sample from a patient with (IV), detecting the contacting a biological sample from a patient with (IV), detecting the contacting a biological sample from a patient with (IV), detecting the contacting a polypurcleotide hybridising to (IV) and comparing the amount of polynucleotide hybridising to (IV) is capatient, where the amount of polynucleotide hybridising to (IV) is contacting to (IV) is useful for stanulating and/or expanding T cells (III) and/or (III) is useful in design and preparation of (C (III) contactive (III)) is useful in design and preparation of (C (III) contactive (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C (III)) is useful in design and preparation of (C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1292 CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC 1351
                                                                                                                                                                                                                                                                                                                                         1412
                                                                                                                                                                                                                                                                                                                                                                                                                                  1352 CTGGGCAGACACGAGCAGGAGGGAGAGAGACAGAGAAAAGAAAACACACCATGAGAACACA 1411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 349 BP; 79 A; 84 C; 78 G; 108 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 techniques.
                                                                                                                        1592 GACAGTG 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   190
                                                                                           10 GACAGTG 4
                                                                                                                                                                                                                                                                                        GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1471
                                                                                                                                                                                                                                                                                                                                                                                       CTGGGCAGACACGAGCAGGAGGAGAGACAGAGAAAAAGAAAACACAGCATGAGAACACA 191
                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 307; DB 24; 1; Pred. No. 1.1e-113;
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RESULT 28

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RESULT 25
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Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
                                                           WPI; 2002-500186/53
                                                                                                                                      14-NOV-2000; 2000US-0713550.
03-APR-2001; 2001US-0825294.
02-OCT-2001; 2001US-0970966.
                                                                                      Хu J,
                                                                                                             (CORI-) CORIXA CORP
                                                                                                                                                                                                                  23-MAY-2002
                                                                                                                                                                                                                                                                                                Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                                                                                                                                          Human ovarian carcinoma associated coding sequence SEQ ID NO: 9.
                                                                                                                                                                                      13-NOV-2001; 2001WO-US45395
                                                                                                                                                                                                                                           WO200239885-A2
                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                             cytostatic;
                                                                                                                                                                                                                                                                                                                                                         05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                           ABT03085 standard; cDNA; 396 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer. These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 396 BP; 90 A; 117 C; 95 G; 92 T; 2 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           311 CGGGCCAAGG 320
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CGGGCCAAGG 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA
                                                                                  Stolk JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310;
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                                                                                    Algate PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
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100.0%; Pred. No. 6.7e-115;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                 Fling
                                                                                 SP,
                                                                                  Molesh
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                          (XUJJ/) XU J.
(STOL/) STOLK J A.
(ALGA/) ALGATE P A.
(FLIN/) FLING S P.
                                                                                                         01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
    Xu J,
                                                                                              14-NOV-2000;
                                                                                                                                                  10-SEP-1999;
                                                                                                                                                                          03-APR-2001; 2001US-0825294.
                                                                                                                                                                                                                                                                                        Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                       10-JAN-2002
                                                                                                                                                                                                                              US2002004491-A1
                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                     Ovarian carcinoma sequence isolate 21920.
                                                                                                                                                                                                                                                                                                                                               18-JUN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                    ABL48768 standard; cDNA; 396 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 396 BP; 90 A; 117 C; 95 G; 92 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 1; Page 116; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301 CGGGCCAAGG 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181 CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTGTGCCGGGTACCAGTCCTT 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           251
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CGGGCCAAGG 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA
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  Stolk JA,
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                                                                                                                      2000US-0561778
2000US-0640173
                                                                                             2000US-0656668
2000US-0713550
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                                                                                                                                                  99US-0394374
 Algate PA,
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Fling SP;
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ID ABL785
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CC and immunostimulants; and a polypeptide (II) of a ovarian tumour CC and immunostimulants; and a polypeptide (II) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell CC appulation of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount to CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC patient, where the amount of polynucleotide hybridising to (IV) is comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABL78538 standard; cDNA; 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-DEC-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human ovarian cancer related cDNA clone SEQ ID NO:1516.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-MAY-2002
                                                                                                                                                                                                                                                                                                                          Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-122075/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-MAY-2000; 2000US-207484P
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                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 1516; 489pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                             Algate PA, Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (CORI-) CORIXA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Jones R;
                                                          cancer in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     149
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1345
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 373 BP; 83 A; 96 C; 80 G; 114 T; 0 other;
                                                                                                                                                                                                                                                                               10-SEP-1999;
01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human, ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human ovarian cancer associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAF94818 standard; cDNA; 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200118046-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      315 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 256
                                                                                                                                                                                                                                                                                                                                                                                                       08-SEP-2000; 2000WO-US24827
                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-MAR-2001
                                             Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention
                                                                                                                             WPI; 2001-211395/21.
                                                                                                                                                                                                                          (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15
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                                                                                                                                                                             Stolk JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                            ; 99US-0394374.
; 2000US-0561778.
; 2000US-0640173.
; 2000US-0656668.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cancer; vaccine; gene therapy; carcinoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19.5%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                  and the
                                                          diagnosis
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                                                                                                                                                                                                                                                             Matches 315;
                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                      The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                       Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                             Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
of the invention.
                                                                                                                                                                                                                                                                                                                                                                                            Example 1; Page 187; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-500186/53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               χu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human ovarian carcinoma associated coding sequence SEQ ID NO: 199.
                                                         210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABT03274 standard; cDNA; 369 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-NOV-2001; 2001WO-US45395.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-SEP-2002 (first entry)
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                                                                                                                                                                                                                                                                       Local Similarity
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                                                               GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT 269
                                                   GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT
                                                                                                  AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT 209
                                                                                                                 AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT 209
                                                                                                                                                                GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCTCAGAAAG 149
                                                                                                                                                   GCTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGCCTCGGCCCTCA 344
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                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                               19.5%; Score 315; DB 24; Length 369; 100.0%; Pred. No. 6.6e-117;
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30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT 89

Matches 315; Query Match
Best Local Similarity

Conservative

19.5%; Score 315; DB 24; Length 369; 100.0%; Pred. No. 6.6e-117;

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that may be utilised in cancer therapy, for example in a vaccine or conscine or conscient, and for stimulating and/or conscient, and for the conscient in a patient. They are also useful for conscient and for determining the presence of a cancer in a patient. Constitution of conscient in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. Constitution of conscient of the invention are useful for their constitution of conscient of the invention are useful for their constitution of designing and conscient of the entire desired gene or gene fragments, and for designing and conscient of the conscient of th
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Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                         ovarian carcinoma proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim la; Page 116; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2002-171027/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (XUJJ/) XU J. (STOL/) STOLK
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07-SEP-2000;
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01-MAY-2000;
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) ALGATE P A.
) FLING S P.
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2000US-0656668.
2000US-0713550.
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2000US-0561778
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention provides the sequences of 184 cDNA fragments which are differentially expressed in cancer cell depending on the age of the patient. They can be used to diagnose and identify treatments for cancers, particularly brain cancers such as haemangioblastoma, teratoma, haemangioma, glioblastoma, schwannoma, osteoma and pinealoma. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel nucleic acid molecules differentially expressed in brain cancers, useful for ascertaining propensity of cell for malignant phenotype or ascertaining suitability of anti-neoplastic drug candidate -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1196 CCGAGCTGAGGTAGAAAAACCTCTCCGAGAAGGGGAGGAGGAGGATCATGTACGCCCGGAAGT 1255
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17-NOV-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present sequence is a cancer-associated cDNA of the invention
                                                                                                                                                                                                                                                                                                                                     251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            371 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          431 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 372
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                                                                                                                                                                                                                                                                                                                  GAGACAGAAAAAAAAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATA 1435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA 1375
          TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 1495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA 252
                                                                           CTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAGATTTAACACTGTTTCAAACCCGGGGGA
                                                                                                                                         CTTGACAGCTTCTTTTGCCACAAGCAAGAGAATTTAACACTGTTTCAAACCCGGGGGA 155
                                                                                                                                                                                                      TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Page 50; 82pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Moskal JR,
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01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, ovarian cancer; vaccine; gene therapy; carcinoma; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human ovarian cancer associated coding sequence SEQ ID NO: 199.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-MAR-2001.
                                                                                                                                                                                                                                                                                                                                                                                                      The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer. These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Isolated polypeptides associated with ovarian carcinomas, and the nucleic acids that encode them, useful for the prevention diagnosis and treatment of ovarian cancers - \,
                                                                                                                                                                                                                                                                                                                                                             Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                         present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 18; Page 189; 189pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-211395/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CORI-) CORIXA CORP
 270 GCATCAGCTGCAACACCCCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAGGGGAAGTT
                                                                          210 GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTT
                                                                                                                       150
                                                                                                                                                150 AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT
                                                                                                                                                                                90 GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG
                                                                                                                                                                                                 90 GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAAG 149
                                                                                                                                                                                                                                         30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT
                                                                                                                                                                                                                                                            30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT
                                                                                                                                                                                                                                                                                                                   Local
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                              GCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAAGGGGAAGTT
                                                            GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT
                                                                                                                                                                                                                                                                                                                     Similarity
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; 2000US-0640173.
; 2000US-0656668.
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                                                                                                                                                                                                                                                                                                                19.5%; Score 315; DB 22; 100.0%; Pred. No. 6.6e-117;
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Best Local
      08-JUL-1999;
11-JAN-2000;
02-MAY-2000;
                                                                                                                     07-JUL-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Primer specific for DNA encoding secretory/membrane protein SEQ
                                                                                                                                                                                                                                                                                                                                                 Human; secretory protein; membrane protein; vaccine; gene therapy; rheumatoid arthritis; diabetes; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAF94186 standard; DNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       883
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC
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2000JP-0118775.
2000JP-0183766.
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                                                                                                                     2000EP-0114090
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Pred. No. 1.7e-145;
D; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC cDNA sequences of the invention. The invention also includes methods for CC the production of antibodies directed against the proteins, and cDNA CS sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the CC diagnosis of diseases associated with inappropriate secretory proteins they encode may be used in the prevention, treatment and CC diagnosis of diseases associated with inappropriate secretory cCC sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the CC presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane CC used to study the expression and function of secretory proteins/membrane CC used to study the expression and function of secretory proteins/membrane CC identify modulators (agonists and antagonists of expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the CC agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the CC identify modulators (e.g. by enzyme linked immunosorbant assay CC (ELISA). Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 416;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                 1543 CAAACCCGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
                                                                                                 1183 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 1242
                                                                                                                                                                                                                                                                                                                                                                                                                                                         1243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 587 BP; 117 A; 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                arthritis and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAF94295 and AAF62232 - AAF62235 which are used to isolate the
                                                                                                                                                                     177
                                                                                                                                                                                                                                                      237
                                                                                                                                                                                                                                                                                                                                  297
                                                                                                                                                                                                                                                                                                                                                                                                                   357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    417 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 5; SEQ ID 620; 609pp + CD ROM; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acids encoding secretory proteins/membrane progene therapy or as candidate target molecules in drug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-093989/11.
        57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
                                                                                                                                                                                AAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATT 1482
                                                                                                                                                                                                                                                              CGAGCAGGAGGAGAGACAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATA 1422
                                                                                                                                                                                                                                                                                                                                                                                                                             TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAGCCATGATCCTC
CAAACCCGGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT
                                                                              CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA
                                                                                                                                                                                                                                                                                                                                             CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA 1362
                                                                                                                                                             AAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATT
                                                                                                                                                                                                                                                                                                                                                                                                        TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nishikawa T,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C; 140 G; 162 T; 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 366; DB 22
Pred. No. 2e-137;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 22; Length 587;
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RESULT 16
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Best Local
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; ovarian cancer; cytostatic; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human ovarian carcinoma associated coding sequence SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABT03279 standard; cDNA; 1362
                                                                                                                                                                                                                          The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200239885-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                             1302
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1145
                         1122
                                                                                                                          1242
                                                                                                                                                                                                                                                                                                                              Sequence 1362 BP; 263 A; 435 C;
                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 2; Page 193; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        pharmaceutical compositions, e.g. vaccines, for treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Xu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (CORI-) CORIXA CORP.
                                                                                                                                                    965
                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                     the invention.
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                                                                                                                                        CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGC 1024
                         CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGCGCACAGCCACC-TGCACGA
                                                GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG 1084
                                                                                                                            CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGC
                                                                                                                                                                             GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT
                                                                                                                                                                                                    GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 964
ACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGA
                                                                         GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Stolk JA,
                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Algate
                                                                                                                                                                                                                                                                                         23.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ovarian carcinoma; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PA,
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                                                                                                                                                                                                                                                                            Score 386; DB 24,
Pred. No. 1.7e-145;
""matches 0;
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                                                                                                                                                                                                                                                                                                                                 362 G;
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                                                                                                                                                                                                                                                                                                                                302 T; 0 other;
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RESULT 17
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PR 10-SEP
PR 11-AUC
PR 07-SEP
PR 11-AUC
PR 07-SEP
PR 14-NOV
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01-MAY-2000;
15-AUG-2000;
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   The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient, and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplax molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (XUJJ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ovarian carcinoma GPR39 cDNA.
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                                                                                                                                                                                                                                                                                                                                                           Claim 1a; Page 123-124; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                    Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  P-PSDB; ABB09416.
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of the entire desired gene or gene fragments, and for designing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (FLIN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ALGA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          883 ATACGGCCAATGTCACAACAATCAGCC 857
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) STOLK J A.
) ALGATE P A.
) FLING S P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cancer;
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2000US-0640173.
2000US-0656668.
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1..1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /product= "Ovarian carcinoma protein GPR39"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag=
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                       Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
                                                                                                                                                             WPI; 2002-122075/16.
                                                                                                                                                                                                                                                                               (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                       26-MAY-2000; 2000US-207484P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human ovarian cancer related DNA clone SEQ ID NO:10876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17-MAY-2002 (first entry)
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CC population of [II] encoding [II] having a sequence (S2), a T cell
CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to
CC (S1) can be used for detecting ovarian cancer in a patient's biological
CC contacting a biological sample from a patient with (IV), detecting the
CC contacting a biological sample from a patient with (IV), detecting the
CC amount of polynucleotide hybridising to (IV) and comparing the amount to
CC a predetermined cutoff value and thereby detecting ovarian cancer in the
CC a predetermined cutoff value and thereby detecting ovarian cancer in the
CC capted preferably by polymerase chain reaction (PCR). (I) is
CC detected preferably by polymerase chain reaction (PCR). (I) comprising
CC (III) and/or (II) is useful for stimulating and/or expanding T cells
CC specific for an ovarian tumour protein comprising contacting T cells
CC with (III) or (II). (III) is useful in design and preparation of
CC ribozyme molecules for inhibiting expression of the tumour polypeptides
CC and proteins in tumour cells; and to isolate a full length gene from a
CC suitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches 606;
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                                                                                                                     GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA
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                                                                             CCATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC
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Pred. No. 1.2e-185;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-NOV-2000; 2000US-0713550.
03-APR-2001; 2001US-0825294.
02-OCT-2001; 2001US-0970966.
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                                                                                                                                                                                                                                                                    CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAAAAAATCAGCC 1351
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG
                                                                                                                                                        GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCCTACTGGCCAGGAAA 1471
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Page 194; 197pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 invention.
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Pred. No. 1.2e-185;
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ABL40348
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                                                                                                                                                                                                                                                   The invention relates to ovarian tumour polynucleotides and polypeptides and that may be utilised in cancer therapy, for example in a vaccine or cc gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the cc development of a cancer in a patient. They are also useful for extimulating an inmune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient.

Cc a patient and for determining the presence of a cancer in a patient.

Cc The isolated polynucleotides of the invention are useful for their cability to selectively form duplax molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and cc preparing ribozyme molecules for inhibiting expression of tumour cc polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct complements are associated to appropriate and polynucleotides.
                               Query Match
Best Local
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15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ovarian tumour polypeptide and polynucleotide useful in diagnosis prevention and/or treatment of cancer, especially ovarian cancer
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                                                                                                                                Sequence 625 BP; 182 A; 144 C; 182 G; 116 T; 1 other;
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                                                                                                                                                                                                                                 sequence represents the ovarian carcinoma 01034C EST clone nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) XU J.
) STOLK J A.
) ALGATE P A.
) FLING S P.
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Score 486; DB 24;
Pred. No. 1.2e-185;
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Matches 1594;
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                                                                               TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTCCAGA
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                                                         TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA
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              GCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
                                                                  ACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGGAGTTG
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RESULT 13 ABT03280 ID ABT03

ABT03280 standard; cDNA;

05-SEP-2002 (first entry)

Human ovarian carcinoma associated coding sequence SEQ ID NO:

PD XXX Human; ovarian cancer; ovarian cytostatic; gene; ss. carcinoma; gene therapy; immunotherapy;

Homo sapiens.

W0200239885-A2

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 CCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAAT
                             GTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGC
                                            GTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGC
                                                                                  CACAGCACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGG
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                                                                                                                                                                                                                                                                                                                                                                    GCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTG
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but was obtained in electronic fo
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11-JAN-2000;
02-MAY-2000;
            which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAB88317 - AAF94295 and AAF62232 - AAF62235 which are used to isolate to CDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; secretory protein; membrane protein; vaccine;
rheumatoid arthritis; diabetes; ss.
                                                                                                                                                                                                                                   Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development -
                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-JUL-2000; 2000EP-0114090.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EP1067182-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human cDNA encoding a membrane or secretory protein clone PSEC0181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAF93845 standard; cDNA; 1890
                                                                                                                                                                       This invention relates to nucleic acid sequences AAF93744 - AAF93916
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DB; AAB88418.
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                                                                                                                                                                                                       SEQ ID 203; 609pp + CD ROM;
 may also be used
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2000JP-0118775
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   as DNA
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                                                                           GCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGC
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RESULT 11
ABQ54231
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                                                                                                                                                                                                                                                                                                                                                                                               07-JUN-2001; 2001WO-US18569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiinflammatory; gynaecological; reproductive; chromosome 2g21-22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gastrointestinal disorder; urinary system disorder; drug screening;
gene therapy; chromosome mapping; forensic analysis;
antibody preparation; cytostatic; immunomodulatory; neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABQ54231 standard; cDNA; 1608
                                                                                                                                                                                                                                                                                                                                                           (HUMA-) HUMAN GENOME
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                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200200677-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human ovarian antigen HVCAG04 cDNA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-AUG-2002
                                                                                                                                                                                                                                                                                                             2002-147878/19.
DB; ABP41154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ovarian antigen; ovary;
                                                                                                                                                                                                                                                                                                                                        Rosen CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        entry)
                                                                                                                                                                                                                                                                                                                                                           SCI INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ovarian;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cancer;
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Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and neurological diseases

Claim 1; SEQ ID No 111; 2922pp; English.

CC recombinant vectors and host cells comprising human ovarian antigen composition human ovarian antigen and the use co of ovarian antigen polynucleotides and polypeptides in diagnosing, cc treating, prognosing or preventing various ovary and/or breast-related disorders. Such conditions include ovarian cancer and breast cancer, and cc metastatic tumours of ovarian or breast origin, reproductive system cc disorders (e.g., infertility, disorders of pregnancy, anovulation, cc polycystic ovary syndrome, ovarian cysts, and dysmenorrhoea), endocrine cc disorders, infections (e.g., collamydia, HIV, toxoplasmosis, and toxic shock syndrome), inflammatory conditions (e.g., mastitis, ophoritis and cc immunodeficiencies, autoimmune ophoritis, systemic lupus erythematosus), blood-related disorders (e.g., anaemia), cardiovascular disorders, cc respiratory disorders, neurological disorders, gastrointestinal disorders cand urinary system disorders. Ovarian antigen polypeptides and cc identification of individuals and in forensic analysis, and the present cc useful in disease diagnosis, drug targeting and phenotyping. The present The invention relates to 2175 novel human ovarian antigens (ABP41054-ABP43228) and to cDNAs encoding them (ABC54131-ABG56305), and also encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to

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                                                                                                                                                                                                                                                                                                                                                                                                 Human; cardiovascular; tumourigenic disorder; aberrant angiogenesis; gene therapy; aberrant vascularisation; artherosclerosis; ovarian cancer; ischaemia/reperfusion injury; hypertension; arterial inflammation; psoriasis; endothelial cell disorder; diabetic retinopathy; restenosis; myocardial infarction; Grave's disease; G protein coupled receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               536
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCTTGC 1140
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                                                                                                                                          protein coupled receptor (GPCR) 4941 cDNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Identifying nucleic acids for the diagnosis and treatment of cardiovascular and tumorigenic disorders, comprises identifying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Galvin KA, Rudolph-owen LA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-AUG-2000; 2000US-0635521.
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                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2528 BP; 516 A; 766 C; 677 G; 567 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Fig 1; 118pp; English.
                                                                                                                                                                                              2157
                                                                                                                                                                                                                                                               2217 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG
                                                 271 CATCAGCTGCTACACCCCCTCTTTGTAACGGGCCAAGGCCCCAAGAAAAGGGGAAGTTC
                                                                                                                                                                                                                               91
                                                                                                                                                                                                                                                                                               31 AGGCTTTGCGCCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG
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                                                                                                                                                                                          CTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA
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                                                                                                                        AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
AAE11751.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /product= "Human GPCR 4941"
/note= "The CDS is specifically claimed in calim 1
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Human secreted proteins AAB75506 - AAB75554 are encoded by polynucleotide sequences AAF64176 - AAF64224. The specification includes amino acid sequences AAB75555 - AAB75606 which represent fragments of the human secreted proteins, and protein sequences with which they share homology. The proteins and polynucleotides, their agonists and antagonists have activities dependent on the tissues and cells in which they are expressed, examples of these activities include, immunosuppressive, antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; and vulnerary. The proteins, polynucleotides, agonists and antagonists can be used to treat or detect
                                                                                                                                                                                                                                Claim 1; Page 443-444; 542pp; English.
                                                                                                                                                                                                                                                                       preventing, treating or ameliorating a disorder, e.g. Alzheimer's and Parkinson's diseases and cancers -
                                                                                                                                                                                                                                                                                                 Nucleic acid molecules encoding human secreted proteins, used in
                                                                                                                                                                                                                                                                                                                                                                                                     Rosen CA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2000; 2000WO-US14973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; vulnerary; autoimmune disease; cardiovascular disorde hyperproliferative disorders; cerebrovascular disorder; wound healing; nervous system disorder; ocular disorder; skin ageing; chemotaxis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (HUMA-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                      (HUMA-) HUMAN GENOME SCI INC (ROSE/) ROSEN C A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        secreted protein; immunosuppressive; antiarthritic; antirheumatic;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    or diagnose various diseases and disorders including, autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. carebral ischaemia, anglogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. Included in the invention are polynucleotide sequences AAF64167 - AAF64175 and peptide AAB75505 which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1374
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          proteins of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     are used in the isolation, identification and characterisation of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                    TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA
CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
                                                                            CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
                                                                                                                                                                                                    TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
                                                                                                                                                                                                                                                                                  CCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAACCCCCCACCTCCCTGAGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
                                                                                                                                                           TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTAAC
                                                                                                                                                                                                                                              CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT
                                                                                                                                                                                                                                                                                                                           GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
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99.78;
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Homo sapiens.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cc and polypeptides homologous to them. Human secreted proteins have cartivities based on the tissues and cells the genes are expressed in. Cc Examples of activities include: humanosuppressive; antiarthritic; cc antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cc cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; cc fungicide; and ophthalmological. The polynucleotides and proteins can be cc used to prevent, treat or ameliorate a medical condition in e.g. humans, cc mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are calso used in diagnosing a pathological condition or susceptibility to a pathological condition or susceptibility to a cc pathological condition. Disorders which are diagnosed or treated include conditions are also be used in clude conditions or susceptibility to a condition of the breast or liver, cardiovascular cc disorders e.g. neoplasms of the breast or liver, cardiovascular cc disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral conditions caused by bacteria, viruses and fungi and ocular cc disorders e.g. corneal infection. The polypeptides can also be used to cald wound healing and epithelial cell proliferation, to prevent skin caling due to sunburn, to maintain organs before transplantation, for chemotaxis. The polypeptides can also be used additive or preservative to forease or decrease storage canabilities and additive or preservative to forease or decrease storage canabilities and additive or preservative to the crease of decrease storage canabilities and additive or preservative to the crease of decrease storage canabilities and additive or preservative to the crease of decrease storage canabilities and conditions.
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Best Local Similarity 99.7%;
Matches 1595; Conservative
                                                                                                                                                                                                                                                                             AAF22373 to AAF22421 encode the human secreted proteins given in AAB63134 to AAB63182. AAB63183 to AAB63231 represent more human secreted proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Isolated nucleic acid molecule encoding a human secreted protein used in preventing, treating or ameliorating a medical condition
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20-JAN-2000; 2000US-0176931.
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  1494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1953 BP; 428 A; 540 C; 524 G; 458 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       preservative to increase or decrease storage capabilities. AAF22364 to AAF22372 and AAB63133 represent sequences used in the exemplification of AAF22372.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Page 440; 533pp; English.
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                                                                                           1554
                                                                                                                                                                                    1614 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 1555
                      181 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
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                                                                                                                                                                                                               61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present invention.
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DB; AAB63161.
                                                                                                                    GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGAAGGAGCAAAGTGCCGGGATCATGTA 180
  CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 1435
                                                                                           GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 1495
                                                                                                                                                                                                                                                                                                                                                                              0;
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1380	CAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGAG	1321	Оу
357	CTCGTCCAGTCGTGCTTGGGCTGGGCCAGCCATGATCCTCCGAATCTGGGTTGGGCATC	416	DЬ
1320	TCGTCCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCAT		Qy
417	CTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGCATCATGTACGCCCGGAAGTAGGAC	476	Db
1260	TGAGGTAGAAAAACGTCTCCGAGAAGGGGGAGGAGGATCATGTACGCCCGGAAGTAGG		Qy
477		536	Db
1200	CGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCC	1141	Оу
537	CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACCAGCACTTGC	595	Db dq
96	CGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGT	65	ф
0	ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGTGGAGTGCGCATGTA	Ñ	Qy
656	ACTGGCGCC	715	dd
1020	GCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGG	961	Qy
716	CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT	775	Db
960	TGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCC	901	Qγ
776	ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC	835	DЬ
900	CATTCAAACTTCATGCTCCTGAAAAACCATTCTCTGCAGCAGAAATTGGCTGGTTTCGCG	841	Qy
836	GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG	895	ДĎ
840	TGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCAACTCAAGGCTCCCTCGC	781	Qy
896	TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA	955	Db
780	TTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCA	721	Qy
956			Db
720	GGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGC	661	Qy
1016			뭥
660	TTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGT	601	Оy
1076		1135	Db
600	CTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCCTGACTG	541	Qy
-		9	B 1
540	TTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT	481	0
1196	CCACCCCCTCCTGCATTCTTCCCAGCCCTCGCCCCCAACCCCCCACCTCCCTGAGTGA	1255	фd
480	CACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA	421	Qy
1256	CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGGATG	1315	Дb
420	ACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG	361	Qy
1316	CGGGCCAAGGCCNAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGG-CAGGGCTCCGCAC	1374	Db
360	GGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCCAGGGCTCCGCAC	10	Qy
1375	CTGCTCCCCAGGGAAACTGAACTCAGTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 	241 1434	Db Qy
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumours such as lung cancer, colon cancer, breast tumour, prostate tumour, rectal
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Claim 2; Figure 15; 359pp; English.

The invention relates to one hundred and twenty two nucleic acids composed human secreted proteins. The sequences of the 122 PRO polynucleotides concode human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumours, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal fubroblast cells. The PRO polypeptide may also be used as molecular bloods weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABK33536-ABK33557 represent human cancer.

Sequence 1524 BP; 321 A; 433 C; 435 G; 335 T; 0 other;

Query Match Best Local

Local Similarity

78.1%; 99.9%;

DB 24; Length 1524;

뮹 Ş В Ş В Ş В δÃ B 2 S 밁 á 밁 밁 Ş 밁 ş 밁 ş Matches 1384; 741 481 561 421 501 361 301 381 321 181 261 201 141 61 1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60 TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGGTGAAAGTTCACCCCCATGTCTGTGTAAC CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT CACCATCCTGTTCCTCAAATTAGCCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCCAGGGCTCCGCAC CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 300 CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTGTGCGGGTACCAGTCCTT 240 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTGTGCCGGGTACCAGTCCTT GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGGAGGAAAGTGCCGGGGATCATGTA GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGGAAAGTGCCGGGATCATGTA 180 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 260 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120 CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCCAGGGCTCCGCAC GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 200 Conservative Score 1264; DI Pred. No. 0; 0; Mismatches 0; 0; Indels 1; Gaps . 440 660 560 500 360 380 Ļ

RESULT 8 AAF22400/c AAF22400 standard; cDNA; 1953

26-MAR-2001 (first entry)

KWW KWW ACC antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; ophthalmological; gene therapy; autoimmune disease; neoplasm; rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia; angiogenesis; nervous system disorder; lazhelmer's disease; infection; ocular disorder; corneal infection; wound healing; skin aging; Human; secreted protein; diagnosis; immunosuppressive; antiarthritic; Human secreted protein gene 28 SEQ ID NO:38

additive; preservative;

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CTCGTCCAGTCGTGCTTGGGTTTGGGCCGCAGCCATGATCCTCCGAATCTTGGGCATC
                                                                                          CTGAGGTAGAAAAACGTCTCCGAGAAGGGGGGGGGGAGCATCATGTACGCCCGGGAAGTAGGAC
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                                                                                                                                                                                                                                                                                                                                 CC that may be utilised in cancer therapy, for example in a vaccine or CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the CC expanding T-cells specific for a tumour protein, and for treating a cancer in a patient. They are also useful for the cancer in cC a patient and for determining the presence of a cancer in a patient. CC a patient and for determining the presence of a cancer in a patient of the isolated polynucleotides of the invention are useful for their cC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour cells. Polypeptides and polynucleotides of the current CC invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current conscious for the current conscious consensus the course of the current conservative services.
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) STOLK J A.
) ALGATE P A.
) FLING S P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of the invention.
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 TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCCATAGTTTGAGACTGCAGA
                                                                                 TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
                                                                                                                   CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT
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01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
        useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and
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                                                                                                                                    Claim la; Page 125-126; 131pp; English.
                                                                                                                                                         Ovarian tumour polypeptide and prevention and/or treatment of
                                                                                                                                                                                                                                                          (XUJJ/)
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                                                                                                                   invention relates
                                                                                           invention relates to ovarian tumour polynucleotides and polypeptides may be utilised in cancer therapy, for example in a vaccine or therapy. Polypeptides and polynucleotides of the invention are
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STOLK J A.
ALGATE P A.
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polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the ovarian carcinoma O591S nucleotide sequence.
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                         ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
                                                                                                            GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCCACTCAAGGCTCCCTCGCTTG
ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
                                                                                     GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG
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Ovarian

carcinoma sequence isolate 57887 extended cDNA

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The isolated polynucleotides of the invention are useful for their cability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the extended cDNA sequence of ovarian carcinoma
                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 1619; Conserv
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01-MAY-2000; 2000US-0561778.
15-AUG-2000; 2000US-0640173.
07-SEP-2000; 2000US-065668.
14-NOV-2000; 2000US-0713550.
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) STOLK J A.
) ALGATE P A.
) FLING S P.
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1380	CAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGAG	у 1321	ø
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1140	CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCAGCACCCTTGC	10	Ø
1080	ACGCGAAGAGCAACGGGCCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA	b 1021	b
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1020	GCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGG	0у 961	0
960	CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT	Db 901	
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900	ACATTCAAAACTTCATGCTCCTGAAAACCATTCTTGCAGCAGGAGTTGCCTGGTTTCCCCCC	Dh 841	, ,
A	TGAGAETGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTTCGCTT	78	. ש
4	GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG	у 78	
œ	TTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAG	b 72	
8	TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA	у 72	o
720	GGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGC	ŏ	۵
720	CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC	У 6	Ø
660	CAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTAA	6	ם
660	TTCAGTATGTACTTGAAGGAAGGAGGAGGTGGAAAGTTCACCCCCATGTCTGTGT	У	ю
600	CCTGTGCAAATAATGAAAGACTCGGTAAAGCATTCTGAATAAATTCAGCCTGACTGA	5	۵
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        TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGGTGAAAGTTCACCCCCATGTCTGTGTAAC
                               CCACCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAACCCCCCACCTCCCTGAGTGA
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                                       CAGCTTCTTTTGCCACAAGCAAGAGAGAGATTTAACACTGTTTCAAACCCGGGGGAGTTGG
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ABT03281 standard; cdna; 1619 ВP

05-SEP-2002 (first entry)

Human ovarian carcinoma associated coding sequence SEQ ID NO:

cytostatic; ovarian cancer; gene; SS ovarian carcinoma; gene therapy; immunotherapy

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Soybean magnesium Human SNP oligonuc	AAC84571 AAL27277	22	2481 51	1.6	26 25	4 4 5	O
Human SNP oligonuc	AAL33986	22	50		26	43	O
	AAL33985	22	50	1.6	26	42	o
	AAL33984	22	50		26	41	ი
Human cancer agent	AAS60824	22	1368	1.7	27	40	
Human spliced tran	ABN41977	24	60	3.7	60	39	ი
Human ovarian canc	ABL79397	24	558	6.9	112	38	
Human ovarian canc	ABL81273	24	430	7.4	120	37	
Human ovarian canc	ABL84848	24	381	7.7	125	36	
Ovarian carcinoma	ABL40351	24	480	9.0	146	3 5	
Human ovarian carc	ABT03283	24	480	9.0	146	34	
Human ovarian canc	ABL78554	24	390	9.5	154	ω	
Human ovarian canc	ABL85916	24	201	10.3	166	32	ი
Primer specific fo	AAF94044	22	591	15.4	250	31	
Human ovarian canc	ABL81262	24	409	16.3	264	30	o
Ovarian carcinoma	ABL40350	24	1010	16.7	271	29	
Human ovarian carc	ABT03282	24	1010	16.7	271	28	
Human ovarian canc	ABL79431	24	349	19.0	307	27	ი
Ovarian carcinoma	ABL48768	24	396	19.1	310	26	
Human ovarian carc	ABT03085	24	396	19.1	310	25	
	AAF94818	22	396	19.1	310	24	
Human ovarian canc	ABL78538	24	373	19.5	315	23	O
Ovarian carcinoma	ABL48956	24	369	19.5		22	
Human ovarian carc	ABT03274	24	369	19.5	315	21	
Human ovarian canc	AAF95007	22	369	19.5	315	20	
Human tumour assoc	AAH50766	22	444	22.5	364	19	O
Primer specific fo	AAF94186	22	587	22.6	366	18	O
Ovarian carcinoma	ABL40347	24	1362	23.8	386	17	O
Human ovarian carc	ABT03279	24	1362	23.8	386	16	o
Human ovarian canc	ABL87898	24	625	30.0	486	15	
Ovarian carcinoma	ABL40348	24	625	30.0	486	14	
	ABT03280	24	625	30.0	486	13	
Human cDNA encodin	AAF93845	22	1890	62.6	1014	12	
Human ovarian ant	ABQ54231	24	1608		1030	11	
Human G protein c	AAD18690	22	2528	71.0	1149	10	C

ALIGNMENTS

RESULT 1 ABT03277

ABT03277 standard; cDNA; 1619 BP

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Хu J,
                                                                       14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
Novel ovarian cancer polypeptide and polynucleotide, useful for
                   WPI; 2002-500186/53
                                                                                                                                                  WO200239885-A2
                                                                                                                                                                                    Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy; cytostatic; gene; ss.
                                                                                                                                                                                                                 Human ovarian carcinoma associated coding sequence SEQ ID NO: 205
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                                    Stolk JA,
                                    Algate
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Search completed: November 7, 2002, 23:01:52 Job time: 6567.22 secs
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/rpt_family="AT_rich"
9096. .9246
/rpt_family="MIR"
                                                                                                                                                                                                                                    /rpt_family="L1"
21694. .22864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /rpt_family="Alu"
12110. .12145
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11774. .11804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          t_family="MIR"
73. .14968
t_family="Alu"
53. .15529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t_family="AT_rich"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               t_family="L2"
53. .14219
t_family="L2"
43. .14460
                                                                                                                                                                                                                                                                                                                                                                                                                                                 _family="Alu"
                                                                                                                                                                                                                                                                                                         _family-"MIR"
                                                                                                                                                                                                                                                                                                                                                                                                       family="(A)n"
8. .17345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              _family="MER1_type"
1. .15711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    _family="AT_rich"
3. .12879
                                                                                                                                                                                                                                                                                                                                   9. .18364
_family="L1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                _family="MIR"
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6. .14120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        _family="(CAAAAA)n"
9 .12136
                                                                                                                                                                                                                                                                  family="CT-rich"
. .21672
                                                                                                                                                                                                                                                                                                                                                                                                                                                              _family="(TA)n"
l. .16921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          _family="(T)n"
1. .16402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              _family="ERV1"
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                                                                                                                MAPPING INFORMATION:
The sequence of this clone was established as part of a mapping and sequencing collaboration between the NHGRI Chromosome 7 Mapping Project (Eric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington University Genome Sequencing Center. For additional information about the map position of this sequence, see http://www.nhgri.nih.gov/DIR/GTB/CHR/; send
                                                                                                                                                                                                                                                                                                                                                                                 all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (03-JUL-1998) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA (bases 1 to 94336)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Courtney,L., Nelson,J., Wohldmann,P., Bauer,C. and Morris,M. The sequence of Homo sapiens BAC clone CTA-318M5 Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (03-FEB-2000) Department of Genetics, University, 4444 Forest Park Avenue, St. Louis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Toward a complete human genome sequence 
Genome Res. 8 (11), 1097-1108 (1998) 
99063792
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Sulston, J.E. and Waterston, R.
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Clone CTA-318M5 is from a release of the human CITB-HS-A. The library contains cloned DNA from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This sequence was finished as follows unless otherwise noted:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    between neighboring data submissions.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                        SOURCE INFORMATION:
                                                                                                     mailto:egreen@nhgri.nih.gov , or see http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                 restriction digest.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
----- Summary Statistics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Center: Washington University Genome Sequencing Center Center code: WUGSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Center project name: H_RG318M05
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Missouri 63108, USA
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Actual start of this clone is at base position 1 of CTA-318M5;
actual end is at base position 94336 of CTA-318M5.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Research Genetics, Inc. (http://www.resgen.com).
VECTOR: pBeloBAC11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Shizuya et al., Proc. Natl. Acad. Sci. USA 89:8794-7 (1992); U-J. Kim et al., Genomics 34:213-8 (1996). The clone is available from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Selection:
                                                                                         /rpt_fami.
6795. .68
                                                                                                                                                                                                                                 /rpt_family="Alu" 6177. 6299
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                                                      /rpt_family-"Alu" 6847. .7842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="match to EST BE160466 (NID:g8623187)" 1171. .1313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /rpt_family="L1" 395. .531
                                                                                                                                                                                                                                                                                                                                              3940.
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1773. .2057
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/db_xref="taxon:9606"
/rpt_family="Alu"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2369.
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                                 rpt_family="ERVK"
                                                                                                                                           /rpt_family="MIR"
                                                                                                                                                              /note="match to EST 5443. .6717
                                                                                                                                                                                                                 rpt_family="L2"
                                                                                                                                                                                                                                                                                                                   rpt_family="(T)n"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rpt_family="(TA)n"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             note="match to EST AI590771 (NID:g4599819) tw25c03.x1"
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                                                                                                                                                                                                                                                                                                                                                   'note="match to EST BF811896 (NID:g12141104)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     rpt_family="U6"
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RESULT 44
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Wang,J., Hoshino,T., Redner,R.L., Kajigaya,S. and Liu,J.M. ETO, fusion partner in t(8;21) acute myeloid leukemia, represses
                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 7940)
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                                                                                                                                                  Homo sapiens.
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Series: IRAK Plate: 34 Row: o Column: 3
This clone was selected for full length sequencing because it
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cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Institute for Systems Biology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (11-JUL-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20092-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Clone distribution: MGC clone distribution information can be found
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               http://www.systemsbiology.org
contact: amadan@systemsbiology.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
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Contact: MGC help desk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           passed the following selection criteria: Similarity but not
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YAPLLLIIRWPEKFVASPLAKSGIKETVRKVTPNTVLENEREKHSTROPLQTDIYGL
AKKCHLTEROVERWFEKERROERPSRLKKFOZACWRFAPYLTTVAGIAFILHHAAISLM
LWEVWNGYPKOPPLPSQYWYYILEMSEYWSLLFRLGEDVKRKDELAHIIHHLAAISLM
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VFPFWILYCTLILPMYHLEPFFSYIFLNLQLMILQVLHLYWGYYILKMLNRCIFMKSI
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/protein_id="AAH34500.1"
/db_xref="GI:21759791"
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/db_xref="taxon:9606"
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Bethesda, MD 20892, USA
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GSPMMRTSDVTI PPIKSTHHEKKSTLTPTQRESI PAKSPVGYDPVVSHSPFOPHHR
GSTAGEVYWSHLPTQLDPAMPHRALDPAAAVLFQRQLSPFBCYPHYR
QTILNDYITSQQMQVNLRPDVARGLSPREQPLGLPYPATRGIIDLTNMPPTILVPHPG
GTSTPPMDRITYIPGTQITFPRRPYNSASMSPGHPTHLAAASASEREKERERERERERE
ERIAAASSDLTLRPGSBPGDGRGSHGVYVRSPSPSVRTQETMLQQRPSVPGTNGTSVI
TPLDPTAQLRIMPLPAGGPSISQGLPASRINTAADALAALVDAAASAPQMDVSKTKES
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/protein_id="AAC33550.1"
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PGKSPERSHVSSEPYEPISPPQVPVVHEKQDSLLLLLSQRGAEPAEQRNDARSPGSISY
LPSFFTKLENTSPMVKSKKQEIFRKLNSSGGGDSDMAAAQPGTEIFNLPAVTTSGSVS
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ATPRGRKTANSQGRRKGRITRSMTNEAAAASAAAAATEEPPPPLPPPPEPISTEPVE
TSRWIEEEMEVAKKGLVEHGRNWAAIAKWVGTKSEAQCKNFYFNYKRRHNLDNLLQQH
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NEKQMRQLSVIPPMMFDAEQRRVKFINMNGLMEDPMKYYKDRQFMNVWTDHEKEIFKD
KFIQHFKNFGLIASYLERKSVPDCVLYYYLTKKNENYKALVRRNYGKRRGRNQQIARP
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ATSRGNTEPAVELEPTTETAPSTSPSLAVPSTKPAEDESVETQVNDSISAETAEQMDV
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Sequence 11 from Patent WO0075340.
                                                                                                                                                                                                         Butler, K.H., Famodu, O.O., Gutteridge, S. and Maxwell, C.A. Magneslum Chelatase
Patent: WO 0075340-A 11 14-DEC-2000;
E.I. DU PONT DE NEMOURS AND COMPANY (US)
                                                                                                                                                                                                                                                                                                           Eukaryota: Viridiplantae: Streptophyta: Embryophyta: Tracheophyta: Spermatophyta: Magnoliophyta: eudicotyledons: core eudicots:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eshel, D., Prusky, D. and Dinoor, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unpublished
2 (bases 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exoglucanase of Alternaria alternata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 1409)
Eshel, D., Prusky, D. and Dinoor, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
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                                                             Conservative
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VVTQFIGTGDAMEIKREYVQNGKTIAQPASAVPGVEGNSITTKFCDQQKAVFGDTYTF
KDKGGMANMAKALANGMVLVMSLWDDHYSNMLWLDSTYPTDKNPDTDLGTGRGECETS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /product="exoglucanase"
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/protein_id="AAF05699.1"
/db_xref="GI:6179889"
/tanslation="hTWQSCTAKGSCTNKNGKIVIDANWRWLHKKEGYDNCYTGNEWD /translation="MTWQSCTAKGSCTNKNGKIVIDANWRWLHKKEGYDNCYTGNEWD ATACPDNKACAANCAVGGADYSGTYGITAGSNSLKLKEITKGSYSTNIGSRTYLMKDD TTYEMFKFTGNQEFTFDVDVSNLPCGFNGALYFVSMDADGGLKKYSTNKAGAKYGTGY CDAQCPRDLKFINGEGNVEGNKPSSNDANAGYGGHGSCCAEMDIWEANSVSTAVTPHS
                                                                                                                                   /organism="Glycine max"
/db_xref="taxon:3847"
489 c 589 g 6
                                                                                                                                                                                  1. .2481
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325 c 382 g 309 t
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/codon_start=1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Alternaria alternata"
/db_xref="taxon:5599"
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Pred. No.
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BC034500
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AUTHORS
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KEYWORDS
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AF514845
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ORIGIN
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TITLE
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(bases 1 to 3889)
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1594 CAGTGTAAAAAAAAAAAAAAAAAAAA 1619
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                             BC034500 3889 bp mRNA linear Homo sapiens, Similar to RIKEN cDNA 0610013117 gene, MGC:26926 IMAGE:4838423, mRNA, complete cds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (22-MAY-2002) Physiology, Southern Illinois University, 1135 Lincoln Drive, Carbondale, IL 62901, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jensik, P.J., Holbird, D. and Cox, T. Direct Submission
                                                                                                                                                BC034500
BC034500.1 GI:21759790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                J. Comp. Physiol. B, Biochem. Syst. Environ. Physiol. (2002) In
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jensik,P.J., Holbird,D. and Cox,T.
Cloning and partial characterization of an amiloride-sensitive sodium channel (fENAC) from adult bullfrog skin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rana catesbeiana
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GGQPCSYRNFTHIFHQDYGNCY IFNWGGEGGELESANGADEGLKWULDIDQXEYIP
FLQSTAAARIILHQORSFPIKADLIY AMPGTETSIAVLEDQTOHLEAPYSSCTUNGS
DIPVANIYSKFNSSYSIQSCLRSCFQEIMVKYCKCAYYLFPLLNGAHYCNNQEDPDWV
FCYYNIWDTVSHREQCIMMCQOPCNDSNYKMTISMADWPSAAAEDWIFHVLSYEKDTS
LDITVARBGIKAELNIY EEEFFUYRSISESPTTWVVWLLSAUGGGFGFWMGSVLCIIEG
GEILIDCIWITILKILAWIRDRRQKKRRPQYNDPPPTVAELVEAYSNSGFQHEDSNQV
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3 581 c 545 g 766 t
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VITWPEPATTYCYNUNPEKYSHVYHLALDLQLYDTALDRIGESGOHGGGIPAFNHTNON
VTLDPSLWNYMPLYVIDEHDPNNTIVINIEDSGTDYSGINNATKGNQTFYAERYKVAI
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/protein_id="AAM53958.1"
/db_xref="GI:21435744"
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/db_xref="taxon:8400"
/tissue_type="skin epitheliu
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L. .2745
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Ranidae; Rana
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/note="match: GSS: Em:AQ236270"
complement(27918. .28199)
/note="match: GSS: Em:B74240"
join(27994. .28372, 28928. .29009)
/gene="DA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /evidence=not_experimental complement(28093. .28377) /note="match: GSS: Em:A0568541" complement(28133. .28377)
                /note="MIR repeat: matches 160. 31806. .31957
                                                                                                                                                          /note="25 copies 4 mer aagg 76% conserved"
29660. .29707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         complement (28181.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="L1M1 repeat: matches 1882. .2493
join(23433. .23587,23905. .24080)
/note="match: GSS: Em:AQ745958"
23646. .24715
                                                                                                                         29662
                                                                                                                                                                                                                            /note-"match: GSS: Em:AQ033673"
join(28324. .28371,28947. .29064)
/note-"match: GSS: Em:AQ178192"
28376. .28925
                                                                                                                                                                                                                                                                                                                                                                          /gene="bA446H13.2"
/note="match: GSS:
28221. .28323
                                                                                                                                                                                                                                                                                                                                                                                                                                          /gene="bA446H13.2"
/note="match: GSS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sw:Q20647 Tr:O81229
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/gene="bA446H13.2"
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 /note="MIR repeat: matches
                                                     30874
                                                                                    /note="11 copies 4 mer caca 90% conserved"
30354. .30466
                                                                                                                                                                                             /note="MLT2B repeat: matches 1. .448 of consensus"
29053. .29152
                                                                                                                                                                                                                                                                                                  /gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                        /note="match: GSS:
28264. .28375
                                                                                                                                                                                                                                                                                                                                                         /gene="bA446H13.2"
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                                                                    /note="L2 repeat: matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          note="match: GSS: Em:AQ027573"
28192. .28375
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note="L1MEc repeat: matches 743. .1115 of
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547 Tr:O81229 Sw:O22644 Sw:P48162 Tr:O97118"
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.27683
                                                       . 30954
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Em: AQ178192"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Em: AQ164257"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28377)
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                                                                     2634.
52.
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                                 .250 of consensus
                                                                     .2746 of consensus"
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Alternaria alternata.
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Alternaria alternata
Eukaryota; Fungi; Ascomycota; Pezizomycotina; Dothideor
Pleosporales; Pleosporaceae; mitosporic Pleosporaceae;
Alternaria alternata group.
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                                                                                                                       Alternaria alternata exoglucanase AF176571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (18-AUG-2000) T&TD-QT, Pioneer Hi-Bred Inc., 7300 NW 62nd Ave., Johnston, IA 50131, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC
                                                                                                       AF176571.1
                                                                                                                                                        AF176571
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C. and Tarczynski, M.
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/note="LIMC4 repeat: matches 6030. .6:
3274. .32437
/note="LIMC/D repeat: matches 5559. .!
complement(32526. .33068)
/note="match: GSS: Em:AQ277814"
32562. .33031
                                                                                                                                                                                                                                                                                                                                                                                                                           /translation="MGVLEDLVARAGGCAVIDGGFATQLEALGADINDPLMSAACLIT RPHLYKEVHMQYLEAGADVIISSSYQAFIPGFTARGMSYAEAEDLLRTSYKLANEARD EFWKSTLRKSKPIYNRALVAASIGSYGAYLAGSESYGSYGADITAEKLKDFHRRHCV VLASAGPDL1AFEAIPNQMEAGALVELLEEEKYQIPSWICFSSYDGKNILSGESFADC VLASAGPDL1AFEAIPNQMEAGALVELLEEEKYQIPSWICFSSYDGKNILSGESFADCLKILNASEKVAVYGVNCTPPQFIEGIICEFRKQTKKAIAVYPNSGEVWDGRAKRWLPV
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301 c 356 g 277 t
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/protein_id="AAG22537.1"
/db_xref="G1:10732785"
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/db_xref="taxon:4577"
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                                  Mapping Group. Further information can be found at http://www.sanger.ac.uk/HGP/Chr10
This sequence is the entire insert of clone RP11-446H13 The true left end of clone RP11-699H2 is at 128287 in this sequence. The true right end of clone RP11-41D21 is at 75932 in this sequence. The true right end of clone RP11-41D21 is at 75932 in this sequence. This sequence has been finished according to sequence map criteria as follows. An attempt is made to resolve all sequencing problems, such as compressions and repeats, but not necessarily within known annotated repeat sequence elements. Where the sequence is an annotation using the 'unsure' feature key. RP11-446H13 is from the library RPCI-11.2 constructed by the group of Pieter de Jong. For further details see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.
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217929 bp DNA linear PRI 22-DEC-20
Human DNA sequence from clone RPI1-446H13 on chromosome 10.
Contains the 3' end of the gene for a novel protein similar to
KIAA1059 (ortholog of mouse VPS10 domain receptor protein SORCS),
an RPL23A (60S ribosmal protein 23A) pseudogene, ESTs, STSs and
                                                                                                                                                                                                                                                                                                                                    Em:, EMBL; Sw:, SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found to the http://www.sanger.ac.uk/Projects/C_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromosome 10, constructed by the Sanger Centre Chromosome 10 manning Group. Further information can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (11-DEC-2000) Sanger Centre, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Sep 9, 2000 this sequence version replaced gi:9943953.
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1. (bases 1 to 217929)
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                  //www.chori.org/bacpac/home.htm
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рвасез.6
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141180. .160980
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110520. .124151
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/note="assembly_fragment"
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124252. .141079
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                                                                                                                   /note="match: GSS: 21616. .22005
                                                                                                                                                                                                                   /note="28 copies 2 mer ac 85% conserved"
20300. .20343
                                                                                                                                                                                                                                                                                                                  /note="match: GSS: Em:AQ359125"
20092. .20223
                                                                                                                                                                                                                                                                                                                                                                      complement(19592
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/db_xref="taxon:9606"
/chromosome="10"
                                                                                                                                                                                                                                                                                                                                                                                                                     18961.
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                                                                    /note="match: GSS:
22069. .22376
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="L2 repeat: matches 2656. .2708
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                                                                                                                                                                                       note="11 copies 4 mer acac 95%
                                                                                                                                                                                                                                                                                                                                                                                           'note="AluSx repeat: matches 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'note="AluJb repeat: matches 5.
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                                                                                                                                                                                                                                                                                       note="FLAM_C repeat: matches 1.
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                                                                                                                                          Em: AQ560506"
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/note="L1PB1 repeat: matches 5922. .5979 of consensus"
2532. .2624
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17855. .17931
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/note="AluY repeat: matches 1. .302 of consensus"
11951. .12152
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13204. .13680
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8471. .8598
/note="2 copies 64 mer 85% conserved"
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                                                          'note="AluY repeat: matches 1. .307 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'note="MIR repeat: matches 113. .239 of consensus"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'note="MIR repeat: matches 16. .205 of consensus'
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repeat: matches 4745. .5127 of consensus*
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                * NOTE: This is a 'working draft' sequence. It currently
* consists of 19 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (25-MAY-2000) NIH Intramural Sequencing Grovemont Circle, Gaithersburg, MD 20877, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beckstrom-Sternberg, S.M., Benjamin, B., Blakesley, R.W., Bouffard, G.G., Dietrich, N.L., Eagle, W.O., Gupta, J., Ho, S.-L., Huang, M.C., Idol, J., Lee-Lin, S. Q., Maduro, Q.L., Maduro, V.B., Mastrian, S.D., McCloskey, J.C., Morse, E., Ojodu, M.A., Pearson, R., Stantripop, S., Summers, T.J., Thomas, J.W., Thomas, P.J., Tiongson, E., Touchman, J.W., Tran, J.T., Vogt, J.L., Walker, M.A., Wetherby, K.D. and Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AC069297 214411 bp DNA linear HTG 25-MAY-2000 Mus musculus chromosome 12 clone RP23-2N7 strain C57BL6/J, WORKING DRAFT SEQUENCE, 19 unordered pieces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NISC Mouse Sequencing Initiative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished
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                                                                                                                                      Sequencing vector: plasmid; n/a; 100% of reads Chemistry: Dye-terminator Big Dye; 100% of reads Assembly program: Phrap; version 0.990319
Consensus quality: 204922 bases at least Q40
Consensus quality: 207590 bases at least Q30
Consensus quality: 209017 bases at least Q20
Insert size: 205000; aggarose-fp
Insert size: 248000; pulse-field-gel
Insert size: 248000; pulse-field-gel
Quality coverage: 5.40x in Q20 bases; agarose-fp
Quality coverage: 4.46x in Q20 bases; pulse-field-gel
Quality coverage: 5.20x in Q20 bases; sum-of-contigs
    be preserved.
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                                                                                                                                                                                                                                                                                                                                                                Center project name: us
                                                                                                                                                                                                                                                                                                                                                                                             Contact: nisc_mouse@nhgri.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                          Web site: http://www.nisc.nih.
                                                                                                                                                                                                                                                                                                                                                                                                                           Center: NIH Intramural Sequencing Center Center code: NISC
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74359. .93680
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59705. .74258
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100.0%; Pred. No. 0.001;
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47849. .56374
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16557. .24064
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56475. .68247
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38579. .47748
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2472. .7036
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/note="assembly_fragment"
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78910. .89212
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11938. .16456
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/chromosome="12"
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                                                                                                                                                                                                                                                                                                                                                                                                                           /clone_lib="RPCI mouse BAC library 23"
1. .2371
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/strain="C57BL6/J"
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Mihova, T., Mlenga, V., Murphy, T., Naylor, J., Nguyen, C., Nicol, R., Norbu, C., Norman, C.H., O'Connor, T., O'Donnell, P., O'Neil, D., Ollver, J., Peterson, K., Phunkhang, P., Pierre, N., Pollara, V., Raymond, C., Retta, R., Rieback, M., Riley, R., Rise, C., Rogov, P., Roman, J., Rosetti, M., Roy, A., Santos, R., Schauer, S., Schupback, R., Seaman, S., Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N. Strauss, N., Subramanian, A., Talamas, J., Tesfaye, S., Theodore, J., Topham, K., Travers, M., Travis, N., Trigillo, J., Vassiliev, H., Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J., Young, G., Wilson, B., Wu, X., Wyman, D., Ye, W. J., Young, G.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Landers, T., Lehoczky, J., Levine, R., Lindblad-Toh, K., Liu, G., MacLean, C., Macdonald, P., Major, J., Marquis, N., Matthews, C., McCarthy, M., McEwan, P., McKernan, K., Meldrim, J., Meneus, L.,
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Smit, A.F.A. & Green, P. (1996-1997)
http://ftp.genome.washington.edu/RM/RepeatMasker.html
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Landers,T., Lehoczky,J., Levine,R., Lindblad-Toh,K., Liu,G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequencing vector: Plasmid; n/a; 100% of reads
Sequencing vector: Plasmid; n/a; 100% of reads
Chemistry: Dye-terminator Big Dye; 100% of reads
Assembly program: Phrap; version 0.960731
Consensus quality: 203101 bases at least Q40
Consensus quality: 204725 bases at least Q30
Consensus quality: 205415 bases at least Q30
Consensus quality: 205415 bases at least Q20
Insert size: 210100; agarose-fp
Quality coverage: 14.3 in Q20 bases; agarose-fp
Quality coverage: 14.3 in Q20 bases; sum-of-contigs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    consists of 26 contigs. Gaps between the contigs are represented as runs of N. The order of the pieces is believed to be correct as given, however the sizes of the gaps between them are based on estimates that have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         by the finished sequence as soon as it is available and the accession number will be preserved.

1 618: contig of 618 bp in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          provided by the submittor. This sequence will be replaced
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2115 2214; gap of 10.
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Center clone name: 67_H_24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: sequence_submissions@genome.wi.mit.edu
------ Project Information
Center project name: L22352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Web site: http://www-seq.wi.mit.edu
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                   6283: contig of 1119 bp in length 6383: gap of 100 bp 7505: contig of 500 bp
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352: contig of 185
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2043: contig of (
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100 L
contig of 112
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contig of 627 k
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of 578 bp in
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of 124 bp in
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113665 134201: contig of 20537 bp in
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134302 159668: cont
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159769 212690: contig of 52922 P
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74359 93680: contig of 19322 bp in
93681 93780: gap of 100 bp
93681 93780: gap of 100 bp
93781 113564: contig of 19784 bp in
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                                                                                                                                                                                                                                                                                                                                            /note="assembly_fragment"
9939. .11695
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                                /note="assembly_fragment" 35861. .47391
                                                                                             /note="assembly_fragment"
26812. .35760
                                                                                                                                                       /note="assembly_fragment"
20259. 26711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4858
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4131. .4757
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9 9938: qap
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15922. .20158
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                                                                                                                                                                                                                                                                                  /note="assembly_fragment"
11796. .15821
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/clone="RP23-67H24"
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8426: gap of 100 bp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 111: gap of 100 bp
111: gap of 18949 bp in length
100 bp
100 bp in length
17391: contig of 11531 bp in length
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74258: contig of 14554 bp in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91: gap of 100 bp
59604: contig of 12113 bp in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6: gap of 100 bp
9838: contig of 1412 bp in length
8: gap of 100 bp
11695: contig of 1757 bp in length
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197265 197364: gap of 100 bp
197365 209572: contig of 100 bp
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119421 14229
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79728 979
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    0/b
    9524: contig of 1449 bp in 16

    525
    9624: gap of 100 bp

    625
    11091: contig of 1467 bp in 16

    92
    11191: gap of 100 bp

    192
    12839: contig of 1648 bp in 1e

    140
    12939: gap of 100 bp

    140
    16049: contig of 3110 bp in 1e

    50
    16149: gap of 100 bp

    50
    16149: gap of 100 bp

                                                                                                               /note="assembly_fragment"
35183. .79627
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/db_xref="taxon:10090"
/clone="RP23-412G3"
                                                       /note="assembly_fragment"
79728. .97908
                                                                                                                                                                                                                                                                                        16150.
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075: gap of 100 bn
9524: contig
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166670: cr
5770
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contig of 687 bp in length
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of 1449 bp in
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VERSION
KEYWORDS
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AUTHORS
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AC110232
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Best Local
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Birren,B., Linton,L., Nusbaum,C., Lander,E., Al1,A., Allen,N., Anderson,S., Barna,N., Bastien,V., Bloom,T., Boguslavkly,L., Boukhdalter,B., Brown,A., Camarata,J., Campoplano,A., Chang,J., Chargaro,B., Choepel,Y., Colangelo,M., Collins,S., Collymore,A., Cook,A., Cooke,P., DeArellano,K., Dewar,K., Diaz,J.S., Dodge,S., Faro,S., Ferreira,P., FitzHugh,W., Gage,D., Galagan,J., Gardyna,S. Ginde,S., Gord,S., Goyette,M., Graham,L., Grand-Pierre,N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ginde, S., Gord, S., Goyette, M., Graham, L., Grand-Pierre, N., Hagos, B., Horton, L., Hulme, W., Iliev, I., Johnson, R., Jones, C., Kamat, A., Karatas, A., Kells, C., LaRocque, K., Lamazares, R., Landers, T., Lehoczky, J., Levine, R., Liu, G., MacLean, C., Macdonald, P., Major, J., Marquis, N., Matthews, C., McCarthy, M., Macdonald, P., Major, J., Marquis, N., Matthews, C., McCarthy, M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Anderson,S., Barna,N., Bastien,V., Boguslavkiy,L., Boukhgalter,B., Brown,A., Camarata,J., Campopiano,A., Chang,J., Chazaro,B., Choepel,Y., Colangelo,M., Collins,S., Collymore,A., Cook,A.,
                                                                                                                                                                                                                                                                       Submitted
                                                                                                                                                                                                                                                                                                  Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cooke,P., DeArellano,K., Dewar,K., Diaz,J.S., Dodge,S., Faro,S., Ferreira,P., FitzHugh,W., Gage,D., Galagan,J., Gardyna,S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Birren, B., Linton, L., Nusbaum, C., Lander, E., Ali, A., Allen, N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Birren,B., Linton,L., Nusbaum,C. and Lander,E. Mus musculus, clone RP23-67H24
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Mammalla; Eutherla; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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HTG; HTGS_PHASE2; HTGS_DRAFT; HTGS_FULLTOP
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142396. .166670
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119421. .142295
                                                                                                                                                                                                                                      (10-FEB-2002) Whitehead Institute/MIT Center for Genome 320 Charles Street, Cambridge, MA 02141, USA
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RESULT 35
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/note="similar to
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8877. .9633
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6625. .6628
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/note="similar to Homo sapiens EST AV716468
(NID:910797985)"
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(NID:914340025)"
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hw27d09.x1"
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nagos, B., Heaford, A., Horton, L., Hulme, W., Illev, I., Johnson, R.,
Jones, C., Kamat, A., Karatas, A., Kells, C., LaRocque, K.,
Lamazares, R., Landers, T., Lehoczky, J., Levine, R., Liu, G.,
MacLean, C., Macdonald, P., Major, J., Marquis, N., Matthews, C.,
McCarthy, M., McEwan, P., McKernan, K., McPheeters, R., Meldrim, J.,
McCarthy, M., McEwan, P., McKernan, K., McPheeters, R., Meldrim, J.,
McCarthy, M., McEwan, P., McKernan, K., McPheeters, R., Meldrim, J.,
McDiver, J., Peterson, K., Phunkhang, P., Pierre, N., Pollara, V.,
Raymond, C., Retta, R., Kreback, M., Riley, R., Rise, C., Rogov, P.,
Raymond, C., Retta, R., Kreback, M., Riley, R., Rise, C., Rogov, P.,
Roman, J., Rosetti, M., Roy, A., Santos, R., Schauer, S., Schupback, R.,
Seaman, S., Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N.,
Strauss, N., Subramanian, A., Talamas, J., Tesfaye, S., Theodore, J.,
Topham, K., Travers, M., Travis, N., Trigilio, J., Vassiliev, H.,
Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W.J., Young, G.,
Zainoun, J., Zembek, L., Zimmer, A., and Zody, M.
* NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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Consensus quality: 204261 bases at least 040 Consensus quality: 206670 bases at least 030 Consensus quality: 207399 bases at least 020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Insert size: 200000; agarose-fp
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MAPPING INFORMATION:
The sequence of this clone was established as part of a mapping and sequencing collaboration between the NHGRI Chromosome 7 Mapping Project (Eric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington University Genetics (Washington University), and the Washington University).
                                                                                                                                                                                                                                                      This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
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AC074389.8 GI:18042461
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Contact: sapiens@watson.wustl.edu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The clone sequenced to the left is RP11-16P10, 2000 bp overlap. Actual start of this clone is at base position 112086 of RP11-16P10; actual end is at base position 195782 of RP11-510K8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   about the map position of this sequence, see http://www.nhgri.nih.gov/DIR/GTB/CHR7 , send mailto:egreen@nhgri.nih.gov , or see http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Data from AC093734 was used to finish this clone, AC074389. There is single M13 clone coverage from 64639 to 64773.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VECTOR: pBACe3.6
NEIGHBORING SEQUENCE INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOURCE INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (http://bacpac.med.buffalo.edu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /rpt_family="Alu"
807. .844
                                                                                                         /rpt_family="Alu" 6036. .6588
                                                                                                                                                                                                                                                                                                                                                                                                                     /rpt_family="MaLR" 3599. .3761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /rpt_famil
2804. .312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /rpt_family="(TTCA)n"
946. .1126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /rpt_family="MIR" 558. .736
                                                                                                                                                    /rpt_famil
5756. .605
                                                                                                                                                                                              /rpt_family="L2"
5572. .5740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /rpt_family="L2"
3175. .3277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /rpt_family="CT-rich" 1417. .1585
                                                                                                                                                                                                                                           /rpt_family="L2"
4173. .4432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /rpt_family="(GGCTG)n"
2261. .2383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /rpt_family="C-rich"
1099. .1278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone="RP11-510K8"
/clone_lib="RPCI-11"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                /note="similar to Homo sapiens EST BM153036
(NID:917177822)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /chromosome="7"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
                                                                                    /note="match to EST BG924902 (NID:g14319425)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /rpt_family="(CA)n"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rpt_family="L1"
                                                                                                                                                                                                                                                                                                         rpt_family="A-rich"
                                                                                                                                                                                                                                                                                                                                                                                              rpt_family="L2"
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                                                                                                                                                                                                                                                                                                                                                       ly="Alu"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .y-"MIR"
                                                                                                                                                                           y-"MIR"
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REFERENCE AUTHORS TITLE JOURNAL

REFERENCE

COMMENT

AUTHORS TITLE JOURNAL ACCESSION VERSION KEYWORDS

SOURCE ORGANISM

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Center project Information

Center project name: H_MH0341F08

Sequencing vector: M13; 100%

Sequencing vector: plasmid; 0%

Chemistry: Dye-rerminator Big Dye; 0% of reads
Chemistry: Dye-rerminator Big Dye; 0% of reads
Assembly program: Phrap; version 0.990319

Consensus quality: 167601 bases at least Q40

Consensus quality: 170488 bases at least Q20

Consensus quality: 171954 bases at least Q20

Insert size: 173060; squarose-fp

Quality coverage: 4.14 in Q20 bases; squarose-fp

Quality coverage: 4.29 in Q20 bases; squarose-fp

Quality coverage: 4.29 in Q20 bases; squarose-fp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Center: Washington University Genome Sequencing Center Center code: WUGSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MO 63108, USA
On Aug 24, 2000 this sequence version replaced g1:9665207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (22-JUL-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. MO 63108, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   * NOTE: This is a 'working draft' sequence. It currently consists of 21 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Web site:http://genome.wustl.edu/gsc/index.shtml
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 (bases 1 to 179364)
Waterston, R. H.
Direct Submission
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AC074245.3 GI:9887809
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     as soon as it is available and the accession number will be preserved.
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118973
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                                                                                                                                                                                                                                                                                                                                                                               6503: gap of unknown
0328: contig of 3825
                                                                                                                                                                                                                         gap of unknown contig of 6320 gap of unknown contig of 5444
                        gap of unknown length contig of 11096 bp in length gap of unknown length contig of 10020 bp in length
                                                                                                   gap of unknown length
contig of 8623 bp in length
gap of unknown length
contig of 9756 bp in length
                                                                                                                                                                                  gap of unknown contig of 5631
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          unknown length
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                                                                                 BASE COUNT
ORIGIN
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Query Match
Best Local Similarity
Matches 27; Conserv
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102102
119489
119589
    Conservative
                                                                                             /note="assembly_name:Contig8"
177488. .179364
/note="assembly_name:Contig9"
32967 c 33013 g 54383 t
                                                                                                                                                                            /note="assembly_name:Contig28"
175840. .177387
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153742. .175739
                                                                                                                                                                                                                                                           135945. .153641
                                                                                                                                                                                                                                                                                            clone_end:SP6
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119589. .135844
                                                                                                                                                                                                                                                                                                                                                                                                                 89200.
                                                                                                                                                                                                                                                                     vector_side:left"
                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note="assembly_name:Contig22"
76563. .89099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     45391. .55146
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                                                                                                                                                                                                                                                                                                                                                                                     /note="assembly_name:Contig24"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="assembly_name:Contig19"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="assembly_name:Contig14"
13501. .18872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vector_side:left"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         note="assembly_name:Contig21"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="assembly_name:Contigl8"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          note="assembly_name:Contig15"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="assembly_name:Contig12"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note='
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'note="assembly_name:Contig20"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                            note="assembly_name:Contig26
                                                                                                                                                                                                                                                                                                                                                                                                                             note="assembly_name:Contig23"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               note="assembly_name:Contig17"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note="assembly_name:Contig16"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note="assembly_name:Contigl3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         note="assembly_name:Contigl0
                  1.7%;
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4: contig of 16256 bp in length
4: contig of 16256 bp in length
1: contig of 17637 bp in length
1: gap of unknown length
1: gap of unknown length
9: contig of 21998 bp in length
9: gap of unknown length
7: gap of unknown length
7: gap of unknown length
4: contig of 1877 bp in length
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    0
                  Score 27; DB 2; Length 179364; Pred. No. 0.001;
  Mismatches
                                                                                             2008 others
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TITLE
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Barna, N., Bastlen, V., Bloom, T., Boguslavkiy, L., Boukhgalter, B.,
Camarata, J., Chang, J., Chazaro, B., Choepel, Y., Collymore, A.,
Cook, A., Cooke, P., DeArellano, K., Dewar, K., Diaz, J.S., Dodge, S.,
Faro, S., Ferreira, P., FitzGerald, M., Gage, D., Galagan, J.,
Gardyna, S., Gord, S., Graham, L., Grand-Pierre, N., Hagos, B.,
Horton, L., Hulme, W., Iliev, I., Johnson, R., Jones, C., Kamat, A.,
Karatas, A., Kells, C., Landers, T., Levine, R., Lindblad-Toh, K.,
Liu, G., MacLean, C., MacGonald, P., Major, J., Matthews, C.,
McCarthy, M., Meldrin, J., Meneus, L., Mihova, T., Mlenga, V.,
McCarthy, M., Meldrin, J., Meneus, L., Mihova, T., Mlenga, V.,
Murphy, T., Naylor, J., Ngyen, C., Nicol, R., Norbu, C., Norman, C.H.,
O'Connor, T., O'Donnell, P., O'Neil, D., Oliver, J., Peterson, K.,
Phunkhang, P., Pierre, N., Raymond, C., Retta, R., Rise, C., Rogov, P.,
Roman, J., Roy, A., Schauer, S., Schupback, R., Seaman, S., Severy, P.,
Smith, C., Spencer, B., Stange-Thomann, N., Stojanovic, N., Talamas, J.,
Tesfaye, S., Theodore, J., Topham, K., Travers, M., Vassiliev, H.,
Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Young, G., Zainoun, J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACAGTGTAAAAAAAAAAAAAAAAAAAA 31545
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Actinopterygii; Polypteriformes; Polypteridae; Polypterus 1 (bases 1 to 151602)
Birren,B., Nusbaum,C. and Lander,E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Polypterus bichir clone -22F22, *** SEQUENCING IN PROGRESS ***,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HTG; HTGS_PHASE2; HTGS_FULLTOP; HTGS_ACTIVEFIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ordered piece.
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                                                                                                                                                                                                              * NOTE: This is a 'working draft' sequence. It currently consists of I contigs. Gaps between the contigs are represented as runs of N. The order of the pieces believed to be correct as given, however the sizes of the gaps between them are based on estimates that have provided by the submittor.

* This sequence will be replaced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (05-JUL-2002) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker:
Smit, A.F.A. & Green, P. (1996-1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Polypterus bichir, clone -22F22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            http://ftp.genome.washington.edu/RM/RepeatMasker.html
                                                                                                                                              the accession number will be preserved.

1 151602: contig of 151602 bp in length
                                                                                                                                                                                          by the finished sequence as soon as it is available and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (bases 1 to 151602)
                                                                                                                                                                                                                                                                                                                                                                                                         Center code: WIBR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Web site: http://www-seq.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Center: Whitehead Institute/ MIT Center for Genome Research
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  /organism="Polypterus bichir"
/db_xref="taxon:31136"
/clone="-22F22"
/clone_lib="Bichir"
                                                                                                                      Location/Qualifiers
                                                                                                  1. .151602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zimmer, A. and Zody, M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -- Genome Center
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AC074245
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AC027118
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אם בייניים אות ביינים באם 1 inear HTG 24-AUG-2000
Homo sapiens chromosome 2 clone RP11-341F8, WORKING DRAFT SEQUENCE,
21 unordered pieces.
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Db 80517 AGACAGTGTAAAAAAAAAAAAAAAAA 80491
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                                    1593 ACAGTGTAAAAAAAAAAAAAAAAAAA 1619
АСАСТСТАААААААААААААААААА 137013
                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (28-MAR-2002) Genome Therapeutics Corporation, Street, Waltham, MA 02453, USA 5 (bases 1 to 170255)
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                                                                                                                                                                                                                                                                                                         Street, Waltham, MA 02453, USA On Mar 28, 2002 this sequence Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                 Submitted (23-APR-2002) Genome Therapeutics Corporation, 100 Beaver
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                        /clone="RP11-573I11"
/clone_lib="RPCI-11"
                                                                                                                                                                                                                                /db_xref="taxon:9606"
/chromosome="10"
                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
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Pred. No.
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                                                                                              Pred. No.
                                                                                                                                                                                                                                                                                                                           version replaced gi:18266621
                                                                                              DB 9;
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                                                                                                                  Length 170255;
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source
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                                                                                                                                                                                                                                                                                                           Insert size: 127424; sum-of-contigs
Insert size: 142249; 4.2% error; agarose-fp
Quality coverage: 8.11x in Q20 bases; sum-of-contigs Quality
coverage: 7.35x in Q20 bases; agarose-fp
                                                                                                                                                                                                                                                                                                                                                                                                    Chemistry: Dye-terminator: 100% of reads consensus quality: 127311 bases at least Q40 consensus quality: 127389 bases at least Q30 consensus quality: 127413 bases at least Q20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Assembly program: XGAP4; version 4.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Center project name: bM67K19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Center: Wellcome Trust Sanger Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cambridgeshire, CB10 1SA, UK. E-mail enquiries:
humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Aug 21, 2002 this sequence version replaced gi:21694507.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: humquery@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Web site: http://www.sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (16-AUG-2002) Wellcome Trust Sanger Institute, Hinxton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Whitehead,S.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HTG; HTGS_PHASE1; HTGS_ACTIVEFIN; HTGS_DRAFT; HTGS_FULLTOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AL807806.4 GI:22416117
                                                                                                                           consists of 2 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23927 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (bases 1 to 127524)
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                                                                                                           preserved
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                                            24019 24118:
24119 12752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ----- Project Information
                  /organism="Rattus norvegicus"
/db_xref="taxon:10116"
/clone="CH230-286021"
19653 c 20425 g 23828 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ---- Genome Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
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84966: gap of unknown length
87959: contig of 2993 bp in length
88059: gap of unknown length
92874: contig of 4815 bp in length
                                                                                 24018: contig of 24018 bp in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.78;
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0.001;
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                                       in length
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""+"hes 27; Conserve
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                                                                                                                                                                                                                                                                    source
                                                                                                                                                                                                                                                                                                                                                                                                                                                corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one MI3 subclone; and the assembly was confirmed by restriction digest. The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em: EMBL; SW:, SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (11-APR-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 15A, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk on Apr 12, 2002 this sequence version replaced g1:20135756. On Apr 12, 2002 this sequence version replaced g1:20135756. Data of the sequence version replaced g1:20135756.
                                                                                                                                                                                                                                                                                                                                          http://www.sanger.ac.uk/Projects/C_elegans/wormpep RP23-15E24 is from the RPCI-23 Mouse PAC Library constructed by the group of Pieter de Jong. For further details see http://www.chori.org/bacpac/home.htm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AL645938 138851 bp DNA linear ROD 11-APR-200 Mouse DNA sequence from clone RP23-15E24 on chromosome 1, complete
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                                                                                                   /clone_lib="RPCI-23"
25907 c 27333 g 44916 t
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24119. .127524
/note-"assembly_fragment:00777.0"
/note-"assembly_fragment:00777.0"
23572 c 23357 g 42574 t 100
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                                                                                                                                                                                                                                                                    1. .13885
                                                                                                                                                                                       /chromosome="1"
                                                                                                                                                                                                             /db_xref="taxon:10090"
                                                                                                                                                                                                                                      /organism="Mus musculus"
                                                                                                                                                                                                                                                                                          Location/Qualifiers
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/chromosome="X"
                                                                                                                                                           /clone="RP23-15E24"
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Score 27; DB 10;
Pred. No. 0.001;
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. 0.001;
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                        Length 138851;
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Direct Submission

Submitted (17-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
On Jul 13, 2002 this sequence version replaced gi:20303189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rives, L., Pickens, R., Primus, E., Pu, L.L., Quiles, M., Ren, Y., Rives, M., Rojas, A., Rojubokan, I., Rolie, M., Ruiz, S., Savery, G., Scherer, S., Scott, G., Shen, H., Shooshtari, N., Sisson, I., Sodergren, E., Sonaike, T., Sparks, A., Stanley, H., Stone, H., Sutton, A., Svatek, A., Tabor, P., Tamerisa, A., Tamerisa, K., Tang, H., Tansey, J., Taylor, C., Taylor, T., Telfrod, B., Thomas, N., Thomas, S., Usmani, K., Vasquez, L., Vera, V., Villalon, D., Vinson, R., Wang, O., Wang, S., Ward-Moore, S., Warren, R., Washington, C., Watlington, S., Williamson, A., Wleczyk, R., Wooden, S., Worley, K., Wu, Y., Wu, Y.F., Zhou, J., Zorrilla, S., Nelson, D., Weinstock, G. and Gibbs, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (19-FEB-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Worley, K.C.
Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    NOTE: Estimated insert size may differ from sequence length (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

NOTE: This is a 'working draft' sequence. It currently consists of 50 contigs. The true order of the pieces is not known and their order in this sequence record is
                                                                                                                                                                                                                                                                                                                                                                     as soon as it is available and the accession number will be preserved.
                                                                                                                                                                                                                                                                                                                                                                                                     runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence {\bf r}
                                                                                                                                                                                                                                                                                                                                                                                                                                       arbitrary.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequencing vector: Plasmid;
Chemistry: Dye-terminator Big Dye: 100% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 32512 bases at least Q40
Consensus quality: 34515 bases at least Q30
Consensus quality: 35930 bases at least Q20
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   10370:
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11914:
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13145:
13245:
14584:
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             AL Submitted (18 JUL-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries; humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk On Feb 21, 2002 this sequence version replaced gi:17529535. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one M13 subclone; and the assembly was confirmed by restriction digest. The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em:, EMBL; Sw:,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              al Similarity
27; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kimberley,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequence.
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KLKSTROPMFVSRYRFVKVKRSYRLIPLEIHLEQPEDNARPTRSSRKSLTAHRESKRS
ISAHHDDTAGNKGSSVEKRRRASMAASSSVEFIDVNSFICENKVSPIKIVGGRSVYRL
SEKKNAPEINANYLPASPLTEKNAKVETPKSRASAARRNLNLSLDRGADTTADSDCLN
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/protein_id="AAM11133.1"
/db_xref="GI:20151547"
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112. .2886
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/translation-"MVNKENARSVGQQVKWIGSQDELPPVKNLEHKNVYFYQKCIYGP
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TREMBL;
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Pred. No.
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   WORMPEP;
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Information on the
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EMBL; Sw:,
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AC112072
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                   Bouck, J., Bowle, S., Brieva, M., Brown, E., Bryant, N.P.,
Bouck, J., Bowle, S., Brieva, M., Brown, E., Bryant, N.P.,
Buhay, C., Burch, P., Burkett, C., Burrell, K.L., Byrd, N.C.,
Carron, T.F., Carter, M., Cavazos, S.R., Chacko, J., Chavez, D.,
Chan, G., Chen, R., Chen, Z., Chowdhry, I., Christopoulos, C.
Chen, G., Chen, R., Chen, Z., Chowdhry, I., Christopoulos, C.
Chen, G., Chen, R., Chen, Z., Chowdhry, I., Christopoulos, C.
Cleveland, C.D., Cox, C., Coyle, M.D., Dathorne, S.R., David, R.,
Davila, M.L., Davis, C., Davy-Carroll, L., Dederich, D.A.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Garza, N., Gill, R.,
Gorrell, J.H., Guevara, W., Gunaratne, P., Hale, S., Hamilton, K.,
Harris, C., Harris, K., Hart, M., Havlak, P., Hawes, A., Hernandez, J.,
Hernandez, O., Harris, K., Hart, M., Holloway, C., Hollins, B.,
Hernandez, O., Hodgson, A., Hogues, M., Holloway, C., Hollins, B.,
Hernandez, O., Jia, Y., Johnson, R., Jolivet, S., Joudah, S.,
Karlsson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S.,
Karlsson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S.,
Karlsson, E., Kelly, S., Khan, U., King, L., Korvah, J., Kovar, C.,
Karlsson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S.,
Karlsson, E., Kelly, S., Khan, U., King, L., Korvah, J., Kovar, C.,
Karlsson, E., Kelly, S., Martindale, A., Martinez, E.,
Maheshwari, M., Mapua, P., Martin, R., Martindale, A., Martinez, E.,
Massey, E., Mawhiney, E., Nackendo, S., Oguh, M., Okwuonu, G.,
Oragunye, N., Nickerson, E., Nackendo, S., Oguh, M., Okwuonu, G.,
Oragunye, N., Nickerson, E., Mackendo, S., Oguh, M., Okwuonu, G.,
Oragunye, N., O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 92874)
Muzny,D.M., Adams,C., Adio-Oduola,B., Ali-osman,F.R., Allen,C., Alsbrooks,S.L., Amaratunge,H.C., Are,J.R., Ayele,M., Banks,T., Barbaria,J., Benton,J., Bimage,K., Blankenburg,K., Bonnin,D.,
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AC112072.3 GI:21744373
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rattus.
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
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Contact: humquery@sanger.ac.uk
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8876 c 9129 g 16194 t
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/db_xref="taxon:10090"
/chromosome="1"
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Oviedo, R., Pace, A., Payton, B., Peery, J., Perez, L.
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                                                                                                                                                       Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/CCTD/DTP
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genom
                                                                                                                                                                                                                                                                          NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                 Direct Submission
Submitted (01-MAY-2002) National Institutes of Health, Mammalian Submitted (01-MAY-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NEDO human cDNA sequencing project supported by Ministry of International Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology; cDNA library construction, 5'- & 3'-end one pass sequencing: Departent of Virology and Human Genome Center, Institute of Medical Science,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (29-AUG-2000) Sumio Sugano, Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure Analysis, Human Genome Center; Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639,
    Richards, S.,
                       Yoon, V.S., Kowis, C.R., Lawrer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BC028978 2625 bp Homo sapiens, clone IMAGE:3919084,
                                                               Contact: amg@bcm.tmc.edu
                                                                                       Web site: http://www.hgsc.bcm.tmc.edu/cdna/
                                                                                                                 Center code: BCM-HGSC
                                                                                                                                    Sequencing Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Japan (E-mail:cdnal@ims.u-tokyo.ac.jp, Tel:81-3-5449-5286, Fax:81-3-5449-5416)
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/db_xref="taxon:9606"
/clone="KAT02340"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cell_type="signet-ring cell carcinoma"
/clone_lib="KAT"
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Gibbs, R.A.
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                       A.M., Lu,
Lawrence,
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0.001;
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                Hulyk, S.W., Hale, S. Martin, R.G., Muzny,
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Clone distribution: MCC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAK Plate: 42 Row: b Column: 17.

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DEFINITION
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                                                                                                                                                                                                                                                                                                                             This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection 1 (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polyA tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAs, and reverse transcriptase errors that result in single base changes. For further information about this sequence, including its location and relationship to other sequences, please visit our Web site
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Drosophila melanogaster

Drosophila melanogaster

Eukaryota, Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;

Reoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;

Rephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Berkeley Drosophila Genome Project
Lawrence Berkeley National Laboratory
Berkeley, CA 94720
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Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Liao, G., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S., Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M. and Celniker, S.
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27; Conserv
                                                                                                                                                                                                                                                                                                            and relationship to other sequences, p
(http://fruitfly.berkeley.edu) or send
                                                                                                                                                                                                                                                                                     cdna@fruitfly.berkeley.edu.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence submitted by:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lawrence Berkeley National Laboratory, One Cyclotron Road, Berkeley, CA 94720, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (03-APR-2002) Berkeley Drosophila Genome Project,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Direct Submission
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AY094780
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                                                                                                             /map="43D3-43D3"
                                                                                                                                          /strain="y; cn bw sp"
/db_xref="taxon:7227"
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/tissue_type="Skin, melanotic melanoma."
/clone_lib="NIH_MGC_72"
/lab_host="DH10B"
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/note="alignment with genomic scaffold AE003840 and gene
nas no introns and polyA tail is encoded in the genomic"
                                                    /gene="Orc1"
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                                                                                                                                                                                                                                                     ocation/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1593 ACAGTGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                              This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection 1 (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polyA tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns feverse transcription of unspliced precursor RNAs, and reverse transcription of unspliced precursor RNAs, and reverse transcription about this sequence, including its location and relationship to other sequences, please visit our Web site (http://fruitfly.berkeley.edu) or send email to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                            cdna@fruitfly.berkeley.edu.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Liao, G., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S., Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lawrence Berkeley National Laboratory Berkeley, CA 94720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lawrence Berkeley National Laboratory, One Cyclotron Berkeley, CA 94720, USA Sequence submitted by:
Berkeley Drosophila Genome Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Direct Submission Submitted (07-JUN-2002) Berkeley Drosophila Genome Project,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.

1 (bases 1 to 1114)
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                                                                                                                                   /gene-
/product="LD37258p"
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                                                                                                                                                                                                                                                                                              /organism="Drosophila melanogaster"
/strain="y; cn bw sp"
                                                                                   codon_start=1
                                                                                                          /note="Longest ORF"
                                                                                                                                                                                       db_xref="FLYBASE:FBgn0039126"
                                                                                                                                                                                                                       /gene="CG13601"
                                                                                                                                                                                                                                                                       db_xref="taxon:7227"
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IIGPNHGARQLDYVPPNNKGFKEVVKAAQGRVPVFLDGGVPRGTNVFKALALGASGIF
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                                                                                                                                      "CG13601"
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2 (bases 1 to 1614)
Sugano,S., Suzuki,Y., Ota,T., Obayashi,M., Nishi,T., Isogai,T.,
Shibahara,T., Tanaka,T. and Nakamura,Y.
                                                                Unpublished
                                                                        Ota,T., Suzuki,Y., Obayashi,M., Nishi,T., Nakamura,Y., Isogai,T. and Sugano,S. NEDO human cDNA sequencing project
                                                                                                                             Watanabe, K., Kumagai, A., Itakura, S., Yamazaki, M., Tashiro, H.
                                                                                                                                                                                                                                            oligo capping; fis (full insert sequence).
Homo sapiens signet-ring cell carcinoma cell_line:KATO III cDNA to
                                                                                                                                                                                                                                                                                                                           1614 bp mRNA linear PRI 29-SEP-200 Homo sapiens cDNA: FLJ22868 fis, clone KAT02340, highly similar to HUMTPSLIC Homo sapiens transcription factor SL1 mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lillie, J., Brown, J.L., Bolt, A. and van Huffel, C. Novel genes, compositions and methods for the identification, assessment, prevention, and therapy of human cancers Patent: WO 0179556-A 825 25-OCT-2001; Millennium Predictive Medicine, Inc. (US)
                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                    Homo sapiens
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Sequence 825 from Patent WO0179556.
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/db_xref="taxon:9606"
312 c 321 g 213
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/translation="MVIGVFPAAKLGILAIKQVSKPIANVIKSNAKSSPFFRKYICMP
PAQFYNWVEVKTKMWALINGGRVNVPPLNEAMAIELGANLLGEFIIFSIGAGLLIFEX
SRQTIKENKKNELAQSEKMELTNMTTEMNFRLERQDAQIREMTRVLADLDSRNIFRWH
KEPIQEYVPFDPDTPDQSASARNPKKFDSLYDPQGGMAFRALHFLDTQIFVDGRNRKA
KEALQHLDEVAVQLEQSLGEAATVAVASSLPTKAADL"
a 259 c 278 g 243 t
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Pred. No.
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                                                                                                             Shibahara, T., Tanaka, T.,
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VERSION
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                                                                                                              Homo sapiens AD-014 protein mRNA, AF150733
                                    Homo sapiens
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                       Homo sapiens.
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Fu (S., Gu,Y., Li,Y., Peng,Y., Gu,J., Zhang,L., Jiang,C., Yu,Y., Fu,G., Wang,Y., Chen,Z. and Han,Z.
A novel gene expressed in human adrenal gland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (12-MAY-1999) Chinese National Human Genome Center at Shanghai, 351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201203, P. R. China
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 (bases 1 to 487)
Fu,S., Gu,Y., Li,Y., Peng,Y., Gu,J.,
Fu,G., Wang,Y., Chen,Z. and Han,Z.
Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                Medicago sativa.
Medicago sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids I; Fabales; Fabaceae; Papillonoideae; Trifolieae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Medicago sativa glycolate oxidase mRNA, partial cds AF082874
                                                                                                                                                                                                                                                 Submitted (07-AUG-1998) Plant Biotechnology Division, Dept of Plant Agriculture, University of Guelph, Crop Science Building, Guelph,
                                                                                                                                                                                                                                                                                                                                        Unpublished
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Stout, J.M. and McKersie, B.D.
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/protein_id="AAF67473.1"
/db_xref="GI:7688665"
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/db_xref="taxon:9606"
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                                                                                                                                         /organism="Medicago sativa"
/db_xref="taxon:3879"
/clone="N4-4-2"
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/translation="EYATARAASAAGTIMTLSSWATSSVEEVASTGPGIRFFQLYVYK
DRNVVAQLVRRAEKAGFKAIALTVDTPRLGRREADIKNRFVLPPFLTLKNFEGLNLGK
                                /codon_start=2
/product="glycolate oxidase"
/protein_id="AAC32392.1"
/db_xref="GI:3435306"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Muzny, D. M., Addons, C., Addo-Oduola, B., Ali-osman, F.R., Allen, C., Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Barbarla, J., Benton, J., Bimage, K., Blankenburg, K., Bonnin, D., Bouck, J., Bowde, S., Brieva, M., Brown, E., Brown, M., Bryant, N.P., Buck, J., Bouck, J., Bouck, J., Burch, P., Burkett, C., Burch, R., Chen, C., Chacko, J., Chacko, J., Chavez, D., Chen, G., Chen, R., Chen, Z., Chowdhry, I., Christopoulos, C., Cleveland, C.D., Cox, C., Coyle, M.D., Dathorne, S.R., David, R., Delaney, K. R., David, C., Davy-Carroll, L., Dederich, D.A., Delaney, K. R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H. H., Douthwalte, K. J., Draper, H., Dugan-Rocha, S., Durbin, K. J., Edarnhart, C., Edgar, D., Edwards, C.C., Elhaj, C., Escotto, M., Frantz, F., Frantz, S., Haris, M., Havlak, P., Hale, S., Hamilton, K., J., Guevara, W., Gunarathe, P., Hale, S., Hamilton, K., J., Guevara, W., Gunarathe, P., Hale, S., Hamilton, K., J., Harris, K., Harris, C., Harris, K., Haris, M., Holloway, C., Hollins, B., Homsi, F., Howard, S., Huber, J., Hulyk, S., Hume, J., Jackson, L. E., Jacobson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S., Karlsson, E., Kelly, S., Khan, J., King, L., Kovah, J., Kovar, C., Kratovic, J., Kureshi, A., Landry, N., Leal, B., Lewis, L.C., Lewis, L., Li, J., Li, W., Louiseged, H., Massey, E., Martin, R., Martindale, A., Martinez, E., Massey, E., Machen, R., Pacce, A., Payton, B., Peery, J., Peerz, L., Peters, L., Pickens, R., Paten, H., Shooshtari, N., Stone, H., Sudon, R., Williamson, A., Willer, R., Manting, H., Stone, H., Sudon, R., Williamson, R., Wang, S., Watling, D., Watling, D
                                                                                                                                                                                                                                                                                     Submitted (18-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (29-MAY-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                         Baylor Plaza,
On Jul 2, 200
                                                                                                                                                                                                                                                                                                                                                                                            Direct Submission
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AC123338.2 GI:21671554
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
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Center project name:
Center clone name: CI
                                                                                         Center code: BCM
Web site: http://www.hgsc.bcm.tmc.edu/
Contact: hgsc-help@bcm.tmc.edu
                                                                                                                                                                                            Center: Baylor College
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                                                          Project Information
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name: CH230-71J19
                                                                                                                                                                                            of Medicine
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NOTE: Estimated insert size may differ from sequence length (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

NOTE: This is a 'working draft' sequence. It currently consists of 52 contigs. The true order of the pieces is not known and their order in this sequence record is
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Chemistry: Dye-terminator Big Dye: 100% of r
Assembly program: Phrap: version 0.990329
Consensus quality: 82161 bases at least Q40
Consensus quality: 88014 bases at least Q20
Consensus quality: 92229 bases at least Q20
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COMMENT
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On Jul 5, 2002 this sequence version replaced gi:21426614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      * NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence
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Insert size: 212112; sum-of-contigs
Quality coverage: 0.00 in Q20 bases; agarose-fp
Quality coverage: 11.62 in Q20 bases; sum-of-contigs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequencing vector: M13;
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                                                                                                                                                                                                                                                                                                                                                  /note="assembly_name:Contig10"
49555. .107384
                                                                                                                                                                                                                                                                                             /note="assembly_name:Contig11"
107485. .209885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1. .209885
                                                                                                                                                                                                                                        /note="assembly_name:Contig12"
44784 c 46164 g 58745 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                           11432.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="assembly_name:Contig8"
11432. .28617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /clone="RP23-462P13"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /db_xref="taxon:10090"
/chromosome="UNK"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                          note="assembly_name:Contig9"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11331: contig of 11331 bp in length
11431: gap of unknown length
28617: contig of 17186 bp in length
28717: gap of unknown length
49454: contig of 20737 bp in length
49554: gap of unknown length
107384: contig of 57830 bp in length
107484: gap of unknown length
107486: gap of unknown length
209885: contig of 102401 bp in length.
                                                                                                                                  100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                      .49454
                                                                                                                                  Score 47; DB 2; L; Pred. No. 1.5e-15;
                                                                                                            0
                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 209885;
                                                                                                                                                                                                                                           403 others
                                                                                                            Indels
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RESULT 18 AB041649

AC123338/c

AC123338

DEFINITION

Rattus norvegicus clone CH230-71J19,

125703 bp

DNA linear HIGH TO CO.

linear

HTG 18-JUL-2002

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JOURNAL
REFERENCE
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RESULT 19
                                                       В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AUTHORS
                                                                                                                                                       Best
                                                                                                                                                                                                                                                                                                                                                                                     CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        source
                                                       394 CAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGA 431
                                                                                             50 CAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGA 87
                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus brain cDNA, clone MNCb-0671.
AB041649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1-chome, Shinjuku-ku, Tokyo 162-8640, Japan (E-mail:khashi@nih.go.jp, URL:http://www.nih.go.jp/yoken/genebank/.Tel:81-3-5285-1111(ex.2120), Fax:81-3-5285-1181)
URL: http://www.nih.go.jp/yoken/genebank/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Direct Submission
Submitted (13-APR-2000) Katsuyuki Hashimoto, National Institute of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Osada, N., Kusuda, J., Tanuma, R., Ito, A., Hirata, M., Sugano, S. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               clone_lib:Sugano mouse brain mncb clone:MNCb-0671.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fis (full insert sequence).
Mus musculus (strain:C57BL) adult female cDNA to mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A part of this sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Infectious Diseases, Division of Genetic Resources; 23-1, Toyama
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hashimoto, K., Osada, N., Kusuda, J. and Sugano, S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             made by oligo-capping method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hashimoto, K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AB041649.1 GI:7670499
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lab host:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lib Name:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 isolation of full-length cDNA clones from mouse brain cDNA library
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                [CGACCTGCAGCTCGAGCACA] ).
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                                                                                                                                                                                                                                 391
                                                                                                                                   Conservative
                                                                                                                                                                                                                           /translation="MWVLGIAATFCGLFWLPGLALQIQCYQCEEFQLINDCSSPEFIV NCTVNVQDMCQKEVTEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN TPLCNGPRFKKRGSSASAIRPGLLTTLLFFHLALCLAHC" 487 c 511 g 408 t
                                                                                                                                                                                                                                                                                                       /protein_id="BAA95101.1"
/db_xref="GI:7670500"
                                                                                                                                                                                                                                                                                                                                                                                                 /clone_lib="Sugano mouse brain mncb"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                                                                 /codon_start=1
                                                                                                                                                                                                                                                                                                                                                               /note="unnamed protein product"
                                                                                                                                                                                                                                                                                                                                                                                                                                             /sex="female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone="MNCb-0671"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /strain="C57BL"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ∕organism="Mus musculus"
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                                                                                                                                                     100.0%;
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                                                                                                                                   0;
                                                                                                                                                     Score 38; DB 10;
Pred. No. 3.2e-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            is reported in AU035640
                                                                                                                                   Mismatches
                                                                                                                                                       3.2e-10;
                                                                                                                                                                         Length 1797;
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                    /note="CPG_island (%GC=68.0, o/e=0.80, #CpGs=194)"
16665. .17055
                                                               /rpt_family="AT_rich"
15864. .18081
                                                                                                                                                                                                                                                                                                                                    /note="match to EST BG704350 (NID:g13977603)"
15183. .15321
/note="match to EST BG704350 (NID:g13977603)"
                                                                                                                                                                                                                                                                                              /note="match to EST BG753617 (NID:g14064270)"
15183. .15321
                                                                                              /note="match to EST BG200048 (NID:g13721735)"
15767. .15789
                                                                                                                                                     /note="match to EST BG187166 (NID:g13708853)"
                                                                                                                                                                                         'note-"match to EST BG184021 (NID:g13705708)"
                                                                                                                                                                                                                  /note="match to EST BF347279 (NID:g11294874)"
15184. .15321
                                                                                                                                                                                                                                                               /note="match to EST H06756 (NID:g870288) y183b07.r1"
                                                                                                                                                                                                                                                                                                                                                                                                                      'note="match to EST AI239596 (NID:g3834993) qh37b10.x1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note="match_to EST AI239596 (NID:g3834993) gh37b10.x1"
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991. .1176
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991. .1176
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348. .9395
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                                                                                                           AUTHORS
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                                                                                                                                                                                                         AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15204 AAGTGATGGAGCAAAGTGCCGG 15183
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 100.0%; res 142; Conservative 0;
Submitted (14-JUN-2002) Genome Sequencing Center, 4444 Forest Park Parkway, St. Louis, MO 63108, USA 3 (bases 1 to 209885) McPherson,J.D. and Waterston,R.H. Direct Submission
                                                                                                    Direct Submission
                                                                                                                   2 (bases 1 to 209885)
McPherson, J.D. and Waterston, R.H.
                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus (bases 1 to 209885)
McPherson, J.D. and Waterston, R.H.
                                                                                                                                                                                                                                                                                    Mus musculus
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MUS musculus chromosome UNK clone RP23-462P13, WORKING DRAFT
SEQUENCE, 5 unordered pieces.
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19873. .20090
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7. .19184
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                                                                                                                                                                        Mammalia; Eutheria; Primates; 1 (bases 1 to 147131) Sulston, J.E. and Waterston, R.
            Waterston, R.H.
Direct Submission
                                                                    VanBrunt, A. and Strowmatt, C. The sequence of Homo sapiens
                                                                                                                                                                                                                                  Homo sapiens
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                                                        Unpublished (2001)
                                                                                                                                             Toward a complete human genome sequence Genome Res. 8 (11), 1097-1108 (1998)
Submitted (28-SEP-1999) Genome Sequencing Center, Washington
                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata;
                                                                                                                                                                                                                                                 Homo sapiens.
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Pred. No. 1.6e-135
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AUTHORS
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Submitted (01-MAR-2002) Department of Genetics, Washington
University, 4444 Forest Park Avenue, St. Louis, Missourl 6
On Mar 1, 2002 this sequence version replaced gi:13435273.
                                                                                                                                                                                                                                                                                                                                         Direct Submission
Submitted (23-MAR-2001) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                                                                                                                                                                                                                                                                                                                                                    4 (bases 1 to 147131) Waterston, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    University School of Medicine, 4444 Forest Park Parkway, MO 63108, USA
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                         Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
------ Summary Statistics
Center project name: H_NH0159N20
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by This sequence was finished as follows unless otherwise noted: restriction digest.

Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. Louis MO. For additional information about the map position of this sequence, see http://genome.wustl.edu/gsc MAPPING INFORMATION:

The RPCI-II human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E. Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at http://www.chori.org SOURCE INFORMATION: рвасез.6 Zhao, B., Frengen, E.,

NEIGHBORING SEQUENCE INFORMATION:
The clone sequenced to the right is RP11-458A7, 200 bp overlap; the clone sequenced to the right is RP11-258B17. Actual start of this clone is at base position 1 of RP11-159N20; actual end is at base position 147131 of RP11-159N20. in the overlap between the

There are polymorphic base differences clone RP11-159N20 and RP11-258B17. location/Qualifiers

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FEATURES
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 misc_feature
                           repeat_region
/rpt_family="L1"
984. .1176
                          /rpt_family="MIR" 118. 1013
                                                       /clone_lib="RPCI-11"
21 .67
                                                                                            /map="2"
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/chromosome="2"
                                                                                  /clone="RP11-159N20"
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1376 GAGACAGAGAAAAAAAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATA 1435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1256 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                               30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT 89
                                                            30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT 89
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                                                                                                            Ovarian tumor sequences and methods of use therefor Patent: WO 0118046-A 199 15-MAR-2001;
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                                                                                                                                                                                                                                              CORIXA CORPORATION (US)
                                                                                                                                                                                                                                                                                                                               Homo sapiens
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113 c 94 g
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99.8%; Pred. No. 6.9e-203;
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311 CGGGCCAAGG
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                                                                        241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA 300
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                                                                                                                                                                                   121 GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGGATCATGTA 180
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                                              CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 310
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAGGGGGAAGTT 329
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Ax093191
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
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100.0%; Pred. No. 5.6e-171;
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                                                                                   HIHIHIHIHIHIHIHIHIHIHIH ATACGGCCAATGTCACAACAATCAGCC 857
                                                                                                                                                       TCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC 1324
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/Translation="MASPSLEGSDCSOIIDHSHVPEFEVATWIKITLILVYLIIFVMG
LIGNSATIRVTQVLQKKGYLQKEVTDHWVSLACSDILVFLIGMPMEFYSIIWHPLTTS
SYTLSCKLHTFLFEACGYATLLHVLTLSFERVIAICHFPRYKAVGFCQVKLLIGFVW
TYSALVALPLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRYW
TYSALVALPLLFAMGTEYPLVNVPSHRGWIMMQVLMKSQKGSLAGGTRPPQLRKSESEESRT
VFQSSIFGAFVYYLVVLLSVARMCWIMMAQVLMKSQKGSLAGGTRPPQLRKSESEESRT
ARRQTIFFLLIVVTLAVCWMPNQIRRIMAAAKPKHDWTRSYFRAYMILLPESETFFY
LSSVINPLLYTVSSQQFRRVFYQVLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPL
LSSVINPLLYTVSSQQFRRVFYQVLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPL
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/db_xref="taxon:9606"
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/db_xref="GI:2654161"
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Best Local Similarity
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AX136698
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 587)
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                      Kroes,R.A., Moskal,J.R. and Yamamoto,H.
Differential gene expression in cancer
Patent: WO 0136685-A 95 25-MAY-2001;
NYXIS NeuroTheraples, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                        Sequence 95 from Patent W00136685
AX150120
                                                                                                                               Eukaryota; Metazoa;
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                                                                                                                                                                                                                                                                                                                     Galvin,K.A. and Rudolph-Owen,L.A. Methods and compositions for the diagnosis and treatment cardiovascular and tumorigenic disease using 4941 Patent: WO 0181634-A 1 01-NOV-2001; Millennium Pharmaceuticals, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1 from Patent WOO181634
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae;
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/GOGON_Start=1
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/protein_id="CAD19381.1"
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VFQSSIIGAFVYYLVVLLSVAEMCWNNMOVLMKSQKGSLAGGTRPDLRKSESESRT
ARROTIIFLRLIVVTLAVCHMPNQIRRIMAAAKPKHDWTRSYFRAYMILLPFSETFFY
LSSVINPLLYTVSSQOFRRVFYQVLCCRLSLOHANHEKRLRVHAHSTTDSARFYQRPL
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Submitted (17-NOV-1997) Biochemistry and Physiology, Merck and Co., Inc., PO Box 2000, Rahway, NJ 07065, USA Location/Qualifiers
                                             2 (bases 1 to 1362)
McKee, K.K., Tan, C.P., Palyha, O.C., Liu, J., Feighner, S.D.,
Hreniuk, D.L., Smith, R.G., Van Der Ploeg, L.H.T. and Howard, A.D.
Direct Submission
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Genomics 46 (3), 426-434 (1997)
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Pred. No. 6.9e-216;
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                            GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
                                                                          CCACCCCCTCCTGCATTGTTCCTTCCAGCCCTCGCCCCCAACCCCCCACCTCCCTGAGTGA 480
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ontact: nisc_mgc@nhgri.nih gov
Shevchenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Bhenjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Benjamin,B., Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Dietrich,N.L., Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tjongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAL Plate: 39 Row: b Column: 19
This clone was selected for full length sequencing because it
passed the following selection criteria: Hexamer frequency ORF
analysis, Similarity but not identity to protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Clone distribution: MGC clone distribution information can be found
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /product="Unknown (protein for MGC:29643)"
/protein_id="AAH17318.1"
/db_xref="GI:16878240"
/translation="MWYLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
NCTYNYQDMCQKEYMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASALRPGLRTTILFLKLALFSAHC"
3 292 c 261 g 196 t
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/clone="MGC:29643 IMAGE:3641660"
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                                                                                                                                                                  907 TGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCCTCT 966
                                                                                                                                                                                                                                                       Local
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AGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCA 1086
                                                              GAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGA
                                                                                                                                                 TGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCCTCGGCCTCT 164
                                                                                                      GAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGA 1026
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Homo sapiens, clone IMAGE:4026092,
BC011449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               clone distribution: MGC clone distribution information can be for through the I.M.A.G.B. Consorthum/LLNL at: http://image.llnl.gov Series: IRAL Plate: 25 Row: n Column: 18 This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF
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Submitted (25-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            contact: amadan@systemsbiology.org
Anup Madan, Rachel Dickhoff, Jessi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Institute for Systems Biology
http://www.systemsbiology.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: cgapbs-r@mail.nih.gov
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                                                                                                                                                                                                                                                       Similarity
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(bases 1 to 826)
                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mark Ketteman and Anuradha Madan
                                                                                                                                                                                                                                                                                                                                        /tissue_type="Skin, melanotic melanoma.
/clone_lib="NHH_MGC_20"
/lab_host="DH10B-R"
/note="Vector: pOTB7"
197 c 228 g 164 t
                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone="IMAGE:4026092"
                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
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Pred. No. 1.7e-307;
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                                                                                                   NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
             DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC), Gaithersburg, Maryland;
                                                                CDNA Library Preparation: Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. Co
                                                                                                                                                                                    Submitted (05-NOV-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                   Strausberg, R.
                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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LLGNSAPIRVTQVLQKKGYLQKEVTDHAVSLACSDIIVFLIGHMEFYSIIWNPLTTS
SYTLSCKLHTFLFEACSYATLLHVLTLSFERY LAIGHPFRYKAVSGPCQVKLLIGFVM
VTSALVALFLLFAMGTEYFLVMVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
VFQSSIFGAFVVYLVVLLSVARMCWNMMQVLMKSQKGSLAGGTBPPQLIKSESSEESRFT
ARROTIFLRLIVVTLAVCMMPNOIRRIMAAAKPKHDWTRSVFRAVMILLFSEETFFY
LSSVINPLLYTUSSQOFERVFVQVLCCKLSLQHANHEKTLRVHAHSTTDSARFVQRPL
LFASRRQSSARRTEKIFLSTFQSEAEPQSKSQSLSLESLEPNSGAKPANSAAENGFQE
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NCTVNVQDMCQKEVMEQSAGIMYRKSCASSAACLIASAGYOSFCSPGKLNSVCISCCN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1102 TGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCTTGCACGAACACCCGGCCGAAACTGC 1161
  1522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        862 GAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACT 921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        802 GGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                               419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     922 CGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGA 981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120 CGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGA 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCT 1041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTTCGCGCCCTGAG-TGGGCTCTAGTGACT 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGCACGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCT 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCC 1221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGAAGAGCCAACGGGCGCT 239
                                                                                                                                                                                                                                                                                                ACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAAGAAAAACACAGCA 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT 1281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GCACAAAGCGGGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGT 299
                                                                                                                                                                                                                                                                                                                                                                                              TTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACA 1341
                                                                                                                                                                                                                                                                                                                                                                                                                                             GAGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCC 418
GGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGCA 718
                                                                                             GGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGCA 1521
                                                                                                                                                 TGAGAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACT 658
                                                                                                                                                                                             TGAGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACT 1461
                                                                                                                                                                                                                                            TTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACA 538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                through the I.M.A.G.E. Consortium/LLNL at: http://lmage.lln
Series: IRAL Plate: 25 Row: n Column: 18
This clone was selected for full length sequencing because
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        passed the following selection criteria: Hexamer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Clone distribution: MGC clone distribution
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Greene, Mark Ketteman and Anuradha Madan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="Vector: pOTB7"
197 c 228 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    48.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 789.2; DB 9;
Pred. No. 9.8e-205;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Consortium/LLNL at: http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         164 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ω
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 826;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             frequency ORF
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ACCESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AB041649
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KEYWORDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VERSION
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                                                                                                                                      ORIGIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURES
                                                                                                                                                                              BASE COUNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AUTHORS
Matches 1055;
                                                                 Query Match
                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1582 AAATGCTTTAGACAGTGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ist strand cDNA was primed with an oligo(dT) primer [ATGTGGCCTTTTTTTTTTTTTTTTTT]; double-stranded cDNA was synthesized using specific 5' and 3' primers and amplified by PCR. The PCR product was digested with SfiI and size selection was performed to exclude fragments <1.5kb.The SfiI-digested PCR product was cloned into distinct DraIII sites of pME18S-FL3. XhoI sites just outside the DraIII sites can be used to isolate the cDNA insert. Library was constructed by Sugano et al.(University of Tokyo, Institute of Medical Science). Custom primer used for sequencing (5' end primer [CGTCTGCTCTAAAAGCTGCG]; 3' end primer [CGTCTGCTCTAAAAGCTGCG]; 3' end primer primer the primer 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (13-APR-2000) Katsuyuki Hashimoto, National Institute of Infectious Diseases, Division of Genetic Resources; 23-1, Toyama 1-chome, Shinjuku-ku, Tokyo 162-8640) Japan (E-mail:khashi@nih.go.jp, URL:http://www.nih.go.jp/yoken/genebank/, Tel:81-3-5285-1111(ex.2120), Fax:81-3-5285-1181) URL: http://www.nih.go.jp/yoken/genebank/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             fis (full insert sequence).
Mus musculus (strain:C57BL) adult female cDNA to mRNA,
clone_lib;Sugano mouse brain mncb clone:MNCb-0671.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Osada, N., Kusuda, J., Tanuma, R., Ito, A., Hirata, M., Sugano, S. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AB041649.1 GI:7670499
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AB041649
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Hashimoto, K., Osada,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lab
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   made by oligo-capping method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        isolation of full-length cDNA clones from mouse brain cDNA library
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hashimoto, K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             part of this sequence is reported in AU035640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (sites)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          host:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name:
                                                                                                                                                                              391
   Conservative
                                                                                                                                                                                                            /proteIn_id="BAA95101.1"
/proteIn_id="BAA95101.1"
/db_xref="G1.7670500"
/ranslation="mmvLGIAATFCGLFWLPGLALQIQCYQCEEFQLNNDCSSPEFIV
NCTVNVQDMCQKEVTEQSAGINYRKSCASSAACILIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASAIRPGLLTTLLFFHLALCLAHC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /strain="C57BL"
/db_xref="taxon:10090"
/clone="MNCb-0671"
                                                                                                                                                                                                                                                                                                                                                                                   /codon_start=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="Sugano mouse brain mncb"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Socation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                /note="unnamed protein product"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /dev_stage="adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /sex="female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              organism="Mus musculus"
                                    43.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Osada, N., Kusuda, J. and Sugano, S
                                                                                                                                                                              487 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rodentia; Sciurognathi; Muridae; Murinae;
       0;
                                    Score 706.4; DB 10; Pred. No. 5.2e-182;
                                                                                                                                                                              511 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1797 bp
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       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MNCb-0671.
                                                                                                                                                                                      408 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        mRNA
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              Indels
                                                                        Length 1797;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ROD 30-JUN-2000
              Gaps
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                                       CTCCTTGCAGAGGACT-----GGCGCCGGGGCGCGAGGGCAACGGGCGCGCTGCACAAAG 1049
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                                                                                                         GACTTAGACT---GGGCCTCGCCCTCGCAAAAGTGCTTAAGAAAATCTTCTCAGTT 995
                                                                                                                                                                    GTGGACCCAGCTGGTTTGGTCTCTGAGCCAGTCTGTGGTGACTCAGGACTCAAGGGCTGG
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Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAL Plate: 39 Row: b Column: 19
This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis, Similarity but not identity to protein.
                                                                                                                                                                                         Contact:
nisc_mgc@nhgrl.nih.gov
Shevchenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Dietrich,N.L., Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tiongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
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Tissue Procurement: ATCC
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Submitted (05-NOV-2001) National Institutes of Health, Mammalian Sene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                               Gaithersburg, Maryland;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NIH-MGC Project URL: http://mgc.nci.nih.gov
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4444 Forest Park

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                                                                                                                                              TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCA 648
                                                                                                                                                                                                                             GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
                                                                                                                                                                                                                                                                                                                                     GTTTCTTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
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  Mus musculus chromosome UNK clone SEQUENCE, 5 unordered pieces.
                                               AC124493
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/db_xref="GI:16878240"
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TPLCMGPRPKKRGSSASALRPGLRTTILFLKLALFSAHC"
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/organism="Homo sapiens"
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/clone_lib="NIH_MGC_39"
/lab_host="DH10B-R"
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/clone="MGC:29643 IMAGE:3641660"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Insert size: 206000; agarose-fp
Insert size: 212112; sum-of-contigs
Quality coverage: 0.00 in Q20 bases; agarose-fp
Quality coverage: 11.62 in Q20 bases; sum-of-contigs
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McPherson, J.D. and Waterston, R.H.
The sequence of Mus musculus clone
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Contact: submissions@watson.wustl.edu
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On Jul 5, 2002 this sequence version replaced gi:21426614
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McPherson, J.D. and Waterston, R.H.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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AC124493.2 GI:21699722
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                                                                                                                                                                                                                                                                                                                                                                                                            as soon as it is available and the accession number will be preserved.
                                                                                                                                                                                                                           11332
11432
28618
28718
49455
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/note="assembly_name:Contig9"
28718. .49454
                                      /note="assembly_name:Contig8" 11432. .28617
                                                                                                   /clone="RP23-462P13"
                                                                                                                      /chromosome="UNK"
                                                                                                                                         /organism="Mus musculus"
/db_xref="taxon:10090"
                                                                                                                                                                                    1. .209885
                                                                                                                                                                                                      Location/Qualifiers
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11431: gap of unknown length
28617: contig of 17186 bp in length
28717: gap of unknown length
49454: contig of 20737 bp in length
49554: gap of unknown length
107384: contig of 57830 bp in length
107484: gap of unknown length
107484: gap of unknown length
209885: contig of 102401 bp in length.
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CGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCG
                                                                ATCTTCTCAGTTCTCCTTGCAGAGGACT-----GGCGCCGGGACGCGAAGAGCAACGGG
                                                                                                                     CTCAATGACTGGGACTTAGACTGG---GGCTCGGCTCTGAAAAGTGCTTAAGAAA
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                                                                                                     CTCAAGGGCTGGGGCTTAGCCTCTCCAGGCTTGGCCTCAGTCTGAAAAGTGCTTAAGAAA
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                                  ACCTTGTTAGTTCTCCTGGAGGAAGAGTTACTGCGCCGGGAGGCTAGGAAGATGAGGGGG
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107485. 209885
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49555. .107384
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Pred. No. 1.2e-161;
); Mismatches 373;
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                                                                                                                                                                                                                                                                                                                                    Methods and compositions for the diagnosis and treatment cardiovascular and tumorigenic disease using 4941 Patent: WO 0181634-A 1 01-NOV-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1 from AX319942
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                VTSALVALPLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
VFQSSIFGAFVVYLVVLLSVAFMCWNMMQVLMKSQKGSLAGGTRPPQLRKSESEESRT
ARRQTIIFLRLIVVTLAVCWMPNQIRRIMAAAKPKHDWTRSYFRAYMILLPESETFFY
                                                                           /translation-"MASPSLPGSDCSQIIDHSHVPEFEVATWIKITLILVYLIIFVMG
LLGNSATIRVTQVLQKKGYLQKEVTDHMVSLACSDILVFLIGMPMEFYSIIWNPLTTS
SYTLSCKLHTFLFEACSYATLLHVLTLSFERYIAICHPFRYKAVSGPCQVKLLLGFVM
                                                                                                                                     /protein_id="CAD19381.1"
/db_xref="GI:17901490"
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2 (bases 1 to 1362)

MCKee, K.K., Tan, C.P., Palyha, O.C., Liu, J., Feighner, S.D.,

Hreniuk, D.L., Smith, R.G., Van Der Ploeg, L.H.T. and Howard, A.D.

Direct Submission

Submitted (17-NOV-1997) Biochemistry and Physiology, Merck and Co.,

Submitted (10-NOV-1997) Biochemistry and Physiology, Merck and Co.,
                                                                                                                                                                     Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1362)

McKee, K.K., Tan, C.P., Palyha, O.C., Liu, J., Feighner, S.D.,

Hreniuk, D.L., Smith, R.G., Howard, A.D. and Van der Ploeg, L.H.

Cloning and characterization of two human G protein-coupled
receptor genes (GPR38 and GPR39) related to the growth hormone
secretagogue and neurotensin receptors
Genomics 46 (3), 426-434 (1997)
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SYTLSGKLHTFLFAGGSYATLLHVLTLSFERY IAICHPFRYKAVSGPCOVKLLIGFVM
VTSALVALBLLFAMGTEY PLVNVPSHRGITCNRSSTRHHEÖDETSNASICTRLSSRWT
VFOSSIFGAFVYYLVVLLSVAFMCWNMMOVLMKSÖKGSLAGGTRPPOLKSESEFST
ARROTIIFLRLIVTLAVCWMNOIRRIMAAAKPKHDWTRSYFRAYMILLPESETEFSL
LSSVINPLLYTVSSOQFRRVFVOVLCCRLSLOHANHEKRLRVHAHSTTDSARFVORPL
LSSVINPLLYTVSSOQFRRVFVOVLCCRLSLOHANHEKRLRVHAHSTTDSARFVORPL
LFASRROSSARRTEKIFLSTFOSEAEPOSKSQSLSLESLEPNSGAKPANSAAENGFOE
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TITLE
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                                                                                                                                                                                                                                                                                                                                                                                                                       AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Doutnwatte, K. J., Drapet, H., Duyan Rochay, C., Escotto, M., Earnhart, C., Edgar, D., Edwards, C.C., Elhaj, C., Escotto, M., Falls, T., Ferraguto, D., Flagg, N., Ford, J., Foster, P., Frantz, P., Gabisi, A., Gao, J., Garcia, A., Garner, T., Garza, N., Gill, R., Gorrell, J.H., Guevara, W., Gunarathe, P., Hale, S., Hamilton, K., Gorrell, J.H., Guevara, W., Gunarathe, P., Hale, S., Hamilton, K., Harris, C., Harris, K., Hart, M., Havlak, P., Hawes, A., Hernandez, J., Hernandez, J., Homsi, F., Howard, S., Huber, J., Hulyk, S., Hume, J., Jackson, E., Kellyk, S., Huber, J., Hulyk, S., Hume, J., Jackson, E., Kellyk, S., Huber, J., Hulyk, S., Hume, J., Jackson, E., Kellyk, S., Khan, U., King, L., Korvah, J., Kovar, C., Kratcovic, J., Kureshi, A., Landryk, N., Leal, B., Lewis, L.C., Lewis, L., L., Li, J., Li, Z., Lichtarge, O., Lieu, C., Liu, J., Liu, W., Louiseged, H., Lozado, R.J., Lux, Lucier, A., Lucier, R., Luna, R., Ma, J., Lozado, R.J., Lux, Lucier, A., Lucier, R., Luna, R., Ma, J., Massey, E., Mawhiney, E., WcLeod, M.P., Meador, M., Mei, G., Metzker, M., Massey, E., Mawhiney, E., WcLeod, M.P., Meador, M., Mei, G., Neutson, N., Nickerson, E., Nwokenkwo, S., Oguh, M., Okwuonu, G., Oragunye, N., Ovledo, R., Pace, A., Payton, B., Peery, J., Perez, L., Peters, L., Pickens, R., Primus, E., Pu, L.L., Quiles, M., Ren, Y., Roderer, S., Scott, G., Shen, H., Shooshtari, N., Sisson, I., Sodergren, E., Sonaike, T., Sparks, A., Stanley, H., Stone, H., Sutton, A., Svatck, A., Tabor, P., Tamerisa, A., Tamerisa, K., Tang, H., Tangs, J., Thomas, S., Thomas, S., Thomas, S., Mard-Moore, S., Warren, K., Washington, C., Watlington, S., Walliamson, A., Wleczyk, R., Wooden, S., Worley, K., Weinstock, G. and Gibbs, R.
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Mammalla; Eutherla; Rodentla; Sciurognathi; Murldae; Murinae;
                                                                                                                                                                                                                        Baylor Plaza, Houston, TX 7/030, USA
On Jul 13, 2002 this sequence version replaced gi:20303189
                                                                                                                                                                                                                                                            Submitted (17-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (19-FEB-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
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Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (bases 1 to 92874)
                            Web site: http://www.hgsc.bcm.tmc.edu/Contact: hgsc-help@bcm.tmc.edu
                                                                                                     Center: Baylor College of Medicine
Center code: BCM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 to 92874)
                                                                                                                                                                                       Genome Center
Project
    Information
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* (see http://www.hgsc.bom.tmc.edu/docs/Genbank_draft_data.html).

* NOTE: This is a 'working draft' sequence. It currently

* consists of 50 contigs. The true order of the pieces

* is not known and their order in this sequence record is

* arbitrary. Gaps between the contigs are represented as

* runs of N, but the exact sizes of the gaps are unknown.

* This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 * as soon as it is available and the accession number will * be preserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             * NOTE: Estimated insert size may differ from sequence length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequencing vector: Plasmid;
Chemistry: Dye-terminator Big Dye: 100% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 32512 bases at least Q40
Consensus quality: 34515 bases at least Q20
Consensus quality: 35930 bases at least Q20
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 74920
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                  514 GAGCGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCA 573
                                                                                                                                                                           Local Similarity 68.
hes 881; Conservative
                                                      CCCCAACCCCCCACCTCCCTGAGTGGGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAG-G 513
                                                                                      GCACACTGCTGAAGCTAAAGGAGATGCCCACCCCTGCTGCCTCATCTGTCCGGCCCT--- 74866
AAGGGAGTCCTTTTGTTCCCTTTCGAGTAACAAGATTGTGTGCACAAATACTTTTGTAAG 74979
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/db_xref="taxon:10116"
/clone="CH230-286021"
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75995 -- AAAAAGCGTTAAATGCTTTCGACAGTGTA 76023
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       866 ACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAG
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                                                                                                                                                                                                                                           CAGCATGAGAACACAGTAAATGAATAAAA ----CCATAAAATATTTAGCCCCTCTGTTCTG 1453
                                                                                                                                                                                                                                                                                    TCACCACGATCAGTCCTGGGCAGGCGAGAAGAGGAGAGAAAAGGAGA-CGGGGAGAAAAA 75816
                                                                                                                                                                                                                                                                                                                      TGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATG 1336
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                                                                                                                                         TGGGTTTTGCTGCGGCCATGATCCGTCGGATCTGATTTGGGATCCAACACACGGCCAGTG
                                                                                          TTGCCACAAGCAAGAGAGTTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAA 1569
                                 AGAAAGACCATTAAATGCTTTAGACAGTGTA 1600
                                                                     TTGCCACCGGCAAAGGAGAATTTAATGCTGCTTCAAGCTCAGGGGACTTGGCTATGTT-- 75994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1135 CCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATG 1194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1015 GCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCG 1074
                                                                                                                                        105
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                                                                                                                            ACTTGACAGCTTCTTTTGCCACAAGCAAGAGAGATTTAACACTGTTTCAAACCCGGGGG 1554
                                                                                       AGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
                                                                                                                                                                                                     ATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTTCAGTGTTTGG 1494
                                                                                                                                                                                                                                            ATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGG 106
                                                                                                                                                                                                                                                                                                                        GGCATCCAGCATACGGCCAATGTCACAACAATCAGGCCTGGGCAGACACGAGCAGGAGGAG 1374
                                                                        AGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1
                                                                                                                                                                                                                                                                                                      GGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGG
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Patent: EP 1067182-A 620 10-JAN-2001;
Helix Research Institute (JP)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 587) Ota, T., Isogai, T., Nishikawa, T., Kawai, Y., Sugiyama, T. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AX136698 587 bp
Sequence 620 from Patent EP1067182.
AX136698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         h 29.3%; Score 474.6; DB 6;
Similarity 91.5%; Pred. No. 1.3e-118;
35; Conservative 0; Mismatches 43;
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1496 CTTGACAGCTTCTTTTGCCACAAGCAAGCAGAGAGATTTAACACTGTTTCAAACCCGGGGGA 1555
                                                                                                                                                                                                                                                                                                                                                                                                  1196 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
                                                                                                                                                                                                                                                                                                                            1256 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                source
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                                                                                                                                                                                                                                                        311
                                                                                                                                                                                                                                                                                                         371 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 312
                                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                               GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGAA 1375
                                                                                                                                         TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGGA 1495
                                                                                                                                                                                   GAGACAGAGAAAAAGAAAAACACAGAGAGAGAACACAGTAAATGAATAAAACCATAAAATA 1435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Differential gene expression in cancer
Patent: WO 0136685-A 95 25-MAY-2001;
NYXIS NeuroTherapies, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 444)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    h 25.5%;
Similarity 99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 95 from Patent WO0136685. AX150120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kroes, R.A., Moskal, J.R. and Yamamoto, H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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/db_xref="taxon:9606"
113 c 94 g 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 413.4; DB 6; Length 444; Pred. No. 7.3e-102;
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Search completed: November 7, 2002, 13:37:02 Job time: 4477.47 secs

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Run on:
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Maximum DB seq length: 200000000
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1619
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	n	Result
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467 466	571 531 507 506	Score
28.8 28.8	35.3 32.8 31.3	Query Match
676 696	888 879 702 743	% Query Match Length DB
10 13	14 14 10	
BM547680	BQ689771 BQ689033 BQ006545 BE395797	ID
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10 13 13	13 13 12	10	12 12 10	13 14	12 9 10	10 9 14	9 13	12 9 9 12
AW19 BI91 AW95 BI66	AI018 BI91 BE38 AL538 AL538	AA084 BE35 BE39 AW08	BG75 BF05 BF05 BF05 AV72 AV72	BI91 AI765	BE85 AI990 AW59 AI391	AW33 AI336 BM68 AW07	BM66 BM66 AI936 AI150	BF72 BF59 AI459 AI884 BF93
x178a0 603181 EST366 603293	732e04.x 60318056 60127675 6538562 MR2-NT01	AA084248 zn17f09.r BE350014 ht07912.x BE395206 601309558 AW087372 xb19902.x	BG752229 60 BF054837 71 BF054680 71 AV725028 AV AV725028 Wg3	03180 72h08 JI-CF-	91990/. 40d07.x 1951e12.	86g11.x 86g11.x I-E-CR1 b24e07.	I-E-DW1 I-E-DW1 69h10.x	06h 10d 791 3d0 663

ALIGNMENTS

source	PEATTREC							COMMENT	JOURNAL	TITLE	AUTHORS	REFERENCE			ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION		DEFINITION	LOCUS	RESULT 1	
	High quality sequence stop: bb5.	http://lmage.iini.gov Plate: LLCM2388 row: o column: 21	found through the I.M.A.G.E. Consortium/LLNL at:	DNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can be	CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)	Tissue Procurement: AICC	Email: cgapbs-r@mail.nih.gov	Contact: Robert Strausberg, Ph.D.	Unpublished (1999)	National Institutes of Health, Mammalian Gene Collection (MGC)	NIH-MGC http://mgc.nci.nih.gov/.	1 (bases 1 to 888)	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleoscomi;	Homo sapiens	human.	EST.	BQ689771.1 GI:21815087	BQ689771	5', mRNA sequence.	AGENCOURT_8344092 NIH_MGC_110 Homo sapiens cDNA clone IMAGE:6248684	BQ689771 888 bp mRNA linear EST 15-JUL-2002		

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BASE COUNT
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                                                                                                                            1243 TACGCCCGGAAGTAGGACCTCGTCCAGTCGTG 1274
                                                                                                                                                                                          1183 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 1242
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                                                                                                                                                                                                                              GGCAGCACAGCACC-TGCACGAACACCCGGCGAAACTGCTGCGAGGACACCGTGTACAGG
                                                                                            TACGCCCGGAAGTAGGACCTCGTCCAGTCGTG 703
                                                                                                                                                          AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG
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/clone_lib="NIH_MGC_110"
/tissue_type="ductal carcinoma, cell line"
/lab_host="M108 (phage-resistant)"
/note="Organ: pancreas; Vector: pOTB7; Site_1: XhoI;
Site_2: EcoRI; cDNA made by oligo-dT priming
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GGCAGAG(G). Library constructed by
Ling Hong in the laboratory of Gerald M. Rubin (University
of California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies).
Note: this is a NIH_MGC Library. "
117 a 219 c 264 g 187 t 1 others
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/db_xref="taxon:9606"
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99.9%;
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Pred. No. 0;
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                  943 TAGACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAATCTTCTCAGTTCTCCTTG
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                                                               AATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACT
                                                                                         AATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTGCAGACTCAATGACTGGGACT
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                                                                                                                                                      TCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAG
cDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM2364 row: a column: 02
High quality sequence stop: 555.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished (1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 879)
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/db_xref="taxon:9606"
/clone_lib="NxH_MGC_110"
/clone_lib="NxH_MGC_110"
/tissue_type="ductal carcinoma, cell line"
/lab_host="PH10B (phage-resistant)"
/note="Organ: pancreas; Vector: pOTB7; Site_1: xhoI;
Site_2: EcoRI; cDNA made by oligo-dT priming
Directionally cloned into EcoRI/XhoI sites using the
following 5 adaptor: GGCACCAG(G). Library constructed by
Ling Hong in the laboratory of Gerald M. Rubin (University
of California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies).
Note: this is a NIH_MGC Library."
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100.0%; Pred. No. 0;
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Best Local
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                      939 GACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTC 998
                                                                Local Similarity 99.
hes 677; Conservative
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BQ006545 702 bp mRNA 1
UI-H-EII-aza-n-21-0-UI.s1 NCI_CGAP_EII Homo
IMAGE:5846228 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cDNA Library preparation: Dr. M. Bento Soares, University of Iowa cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution: Clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
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BQ006545.1 GI:19731445
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Tissue Procurement: Dr. Jose Mercuende
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumor Gene Index
Unpublished (1997)
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National Cancer Institute, Cancer Genome Anai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seq primer: M13 FORWARD
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                                                                                                                                                                                                                                                                                         constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pTT3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /lab_host-*DH10B (Life Technologies)"
/note-*Organ: Left Pelvis; Vector: p7773-Pac (Pharmacia)
with a modified polylinker; Site_1: EcoR I; Site_2: Not I;
NCI_CGAP_EII is a normalized cDNA library containing the
following tissue(s): Chondrosarcoma. The library was
                                                                                                                                                                      TAG_TISSUE-chondrosarcoma
TAG_SEQ-ACACTTGCAC"
200 c 163 g 202
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/dev_stage="Adult"
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/clone_lib="NCI_CGAP_EI1"
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                                                                                                                                                                                                                                                                              (dT)18 tail. The sequence tag
                                                                                  31.3%;
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                                                                                                                                                  Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                   mRNA sequence.
BE395797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BE395797 743 bp mRNA linear EST 21-JUL-2000 1310028F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3631543 5',
    CDNA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E..Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://inage.llnl.gov
Plate: LLCM321 row: h column: 08
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National Institutes of Health, M
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                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                  Homo sapiens
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601276636F1 NIH_MGC_20 Homo sapiens
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/note="Organ: uterus; Vector: pOTB7; Site_1: XhoI; Site_2
ECORI; cDNA made by oligo-dT priming. Directionally
cloned into EcoRIXNoI sites using the following 5;
adaptor: GGCACGAG(G). Library constructed by Ling Hong
in the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
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/clone="IMSE 631543"
/clone_lib="NIH_MGC_44"
/tissue_type="endometrium, adenocarcinoma cell line"
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                             GGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACACGAGCAG
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GGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAG
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Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov Plate: LLCN285 row: g column: 09
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Tissue Procurement: ATCC/DCTD/DTP
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National Institutes of Health, Mammalian Gene Collection (MGC)
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/lab_host="DH108 (phage-resistant)"
/note="Organ: skin; Vector: pOTB7; Site_1: Xho1; Site_2:
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/clone_lib="NIH_MGC_20"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                            CAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGC 1050
                                                                                                                       GCAGCGACAGGCGCAGCACACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGAC 1170
                                                                                                                                                                GGGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCT 183
                                    ACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGG 1230
                                                                               GCAGCGACAGGCGGCAGCACAGCACC-TGCACGAACACCCGCCGAAACTGCTGCGAGGAC
ACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nlh.gov
Tissue Procurement: Invitrogen
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Plate: LLAM12722 row: h column: 07
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    High quality sequence stop:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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AGENCOURT_6507108 NIH_MGC_124 Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="taxon:9506"
/clone="IMAGE:5727798"
/clone_11b="NIH_MGC_124"
/tissue_type="hippocampus"
/lab_host="DH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note="Organ: brain; Vector: pCMV-SPORT6; Site_1: EcoRV (destroyed); Site_2: Not1; RNA source male hippocampus, age 27. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 0.9-4 kb. Library informalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 012."
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RESULT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BF726459 530 bp mRNA linear EST 05-JAN-2001 by06h03.yl Human Lens cDNA (Un-normalized, unamplified): BY Homo sapiens cDNA clone by06h03 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6/331, NIH, Bethesda, MD 20892-2740, USA
Tel: 301 402 3452
Fax: 301 496 0078
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/note="Organ: Bye; Vector: pCMVSPORT6; Two human lenses from different adults (both approximately 40 years old) together yielded 20ug of total RNA and 150ng mRNA for cDNA library synthesis. A directionally cloned cDNA library in the pcMvSPORT6 vector was constructed at Life Technologies, essentially following the protocols of the SuperScript Plasmid System full details of which are contained in the manufacturer's Instruction manual (http://www.lifetech.com/). First strand synthesis was carried out using a Not I primer-adapter [5 pcAcTAGTTCTAGATCGGGAGCGGCCGCC(T)15-3']. Not I/blunt end inserts were cloned into the Not I/EcoR V sites in the
                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                 /dev_stage="Adult"
                                                                                                                                                                                                                                                                                                                                                                      /clone_lib="Human Lens cDNA (Un-normalized, unamplified):
                                                                                                                                                                                                                                                                                                                                                                                                /clone="by06h03"
                                                                                                                                                                                                                                                                                 /lab_host="EMDH10B"
                                                                                                                                                                                                                                                                                                                         tissue_type="Lens"
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RESULT 8
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1 (bases 1 to 537)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index Unpublished (1998)
                                                                                                                                                                                                                                                                                                                                                                                                GPR39. ; mRNA sequence.
BF594242
                                                                                                                                                                                                                                                                                                                                                                                                                           BF594242 537 bp mRNA linear EST 12-DEC-2000 7n10d03.xl NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:3564316 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                           DNA Sequencing by: Washington University Genome Sequencing Cente
Clone distribution: NCI-CGAP clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL, send email to:
                                                                                                                                               Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N.
                                                                                                                                                                               Contact: Robert Strausberg, Ph.D.
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-40UP from Gibco
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                                                                                                                                               N. Louis,
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                                                                                                                                             M.D.,
                                                                                                              Soares,
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                                                                                                              Ph.D.,
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                                                                                                                                               Rosenfeld
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Best Local
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                                                                                                                                                                                                                                                                      TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTG 1598
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                                                                                                                                                                                                                                                      TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTG
                                                                                                                                                                                                                                                                                                                TGACAGCTTCTTTTGCCACAAGCAAGAGAGAGTTTAACACTGTTTCAAACCCCGGGGGAGT
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                                                                                                                                                                                                                                                                                                                                                                       TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT
                                                                                                                                                                                                                                                                                                                                                                                      TAGCCCCTCTGTTCTGTGCCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT 1497
                                                                                                                                                                                                                                                                                                                                                                                                                                 GACAGAGAAAAAAAAAACACAGCATGAGAACACAGTAAAATGAAATAAAACCATAAAATATT
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1 (bases 1 to 457)
Hillier,L., Allen,M., Bowles,L.,
Krizman,D., Kucaba,T., Lacy,M.,
                                                                                                                                                ap17g10.x1 Schiller oligodendroglioma Homo sapiens IMAGE:1955682 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   High
                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                         EST
                                                                          Homo sapiens
                                                                                                                        AI459805.1
                                                                                                                                    AI459805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    quality sequence stop: 452.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone="IMAGE:3564316"
/clone_lib="NCI_CGAP_Brn23"
/tissue_type="glioblastoma
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /db_xref="taxon:
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100.0%;
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Pred. No.
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, Dubuque,T.,
Le,N., Lennor
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   Lennon, G.,
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                                               Hominidae;
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                Geisel, G.,
   Marra, M., Martin
                                                            Euteleostomi;
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Best Local
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JOURNAL
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                   885 TTGGCTGGTTTCGCGCC 901
                                                                                        825 AAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAA 884
                                                                                                                                              137
                                                                                                                                                                                    765
                                                                                                                                                                                                                             197
                                                                                                                                                                                                                                                                                                                                       437 CCACCTCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTC 378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                465 CCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTC 524
                                                                                                                                                                                                                                                                                                                                                                                                                                      585
                                                                                                                                                                                                                GAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCAT 138
                                                                                                                                                                                                                                      GAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCAT 764
                                                   AAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAA
                                                                                                                                 AGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCCACTC
                                                                                                                                                    AGTTTGAGACTGCAGAGTGAGAGTGAGGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTC 824
                                                                                                                                                                                                                                                                                              CGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGGATTCTGAATAAA 584
                                                                                                                                                                                                                                                                                                                                                                              CGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAA 318
Email: estewatson.wustl.edu
Email: estewatson.wustl.edu
This clone is available royalty-free through LLNL; contact the
This_clone_is_definate.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IMAGE Consortium (info@image.llnl.gov) for
Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Washington University School of Medicine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B.,
White,Y., Wylle,T., Waterston,R. and Wilson,R.
WashU-NCI human EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         //note="Organ: brain; Vector: pBluescript SK- (Stratagene);
Site_1: EcoRI; Site_2: XhoI; Double-stranded cDNA was
prepared from human oligodendroglioma using primer
5'-GAGARGAGAGAGAGAGAGAACTAGTCTGAGT(18)-3'. An EcoRI
adaptor was used on the 5' end of the CDNA as follows:
5'-AATTCGGCACGAG-3'. The library was size-selected and
went through one round of amplification. Average insert
size is 1.7 kb, with a range from 0.4-12 kb. Tumor
identification by consensus pathology; contains
chromosome 1p and 19q deletion as determined by CGH. This
library was constructed by Dr. Martin Schiller (Johns
Hopkins University)."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /tissue_type="oligodendroglioma"
/dev_stage="44 years"
/lab_host="SOLR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone_lib="Schiller oligodendroglioma"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone="IMAGE:1955682"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.0%; Score 437; DB 100.0%; Pred. No. 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9; Length 457;
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1041 TGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGG 1100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  source
                                      458 AAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGC
                                                             981 AAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGGAAGAGCAACGGGGCGC 1040
                                                                                                                921 TCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAG 980
                                                                                                                                                                                            578 TGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGAC 519
                                                                                                                                                                                                                   861 TGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGAGTTGGGCTCTAGTGAC 920
                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                    556;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome
Clone distribution: NCI-CGAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1462 Std Error: 0.00
Seg primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index Unpublished (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            High quality sequence stop: 444.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AI884686 591 bp mRNA linear EST 07-MAR-2000 w183d07.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2431501 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bonaldo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ph.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 591)
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                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone="IMAGE:2431501"
/clone_lib="NCI_CGAP_Brn25"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue_type="anaplastic oligodendroglioma"
/lab_host="DH10B"
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                                                                                                                                                                                                                                                                                                   26.9%;
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                                                                                                                                                                                                                                                                                                   Score 436;
Pred. No. 0;
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nac80b12.x1 NCI_CGAP_Brn23 Homo
similar to Sw:GP39_HUMAN 043194
GPR39., mRNA sequence.
BF939693
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1 (bases 1 to 540)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project
                                                                                                                                                                                                                                                                                                                                                                                                                                             (CGAP/BTGAP), Tumo
Unpublished (1998)
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                                                                                                                                                                                                                                                                                                                                                                                             Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                             info@image.linl.gov
                                                                                                                                                                                                                                                                                           cDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can b
                                                                                                                                                                                                                                                                                                                                                             cDNA Library Preparation: M. Bento Soares, Ph.D.,
                                                                                                                                                                                                                                           primer: -40UP from Gibco
                                                                                                                                                                                                                         quality sequence stop: 467.
                                                                                                                                                                                                                                                                           through the I.M.A.G.E. Consortium/LLNL, send email to:
/clone_lib-"NCI_CGAP_Brn23"
/tissue_type-"glioblastoma (pooled)"
/lab_host-"DH10B"
                                                                                                                                     /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:3440591"
                                                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                        JOURNAL
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696 bp mRNA linear EST 30-MAR-2 nab63906.x1 Soares_NSF_F8_9M_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:3272627 3' similar to SW:G8939_HUMAN 043194 PUTATIVE G PROTEIN COUPLED RECEPTOR GPR39: ;, mRNA sequence.
                                                                                                                                                                                                                                                                    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 696)
                                                                                                                       Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the
                                                          Seq primer: -400P from Gibco High quality sequence stop: 4
                                                                                                                                                                                    Unpublished (1997)
                                                                                                                                                                                                                               NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                BF439382.1 GI:11451899
                                                                                                 IMAGE Consortium (info@image.llnl.gov) for
                                                                                                                                                                                                           Tumor Gene Index
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                                                          quality sequence stop: 459.
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a 158 c 124 g 150 t
                                       Location/Qualifiers
/organism≃"Homo sapiens'
                     . 696
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/db_xref="taxon:9606" /clone="IMAGE:3272627"

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RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  483 GCGGCAGACACCACC-TGCACGAACACCCGCGAAACTGCTGCGAGGACACCGTGTACA 425
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                                  BM667957
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Equal amounts of plasmid DNA from five normalized libraries were maxed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified CDNAs from pools of 5,000 clones made from PCR-amplified CDNAs from pools of 5,000 clones made from the property of the following the pools of 5,000 clones made from pools of 5,000 clones made from
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202 c 164 g 192 t
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Pred. No. 0;
                          538 bp
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1258 GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC 1317

420 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG

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1198 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
                                                                                                                    1138 TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACC 1197
                                                                    source
                                                                                                                                                                                         479;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: msoares@blue.weeg.uiowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa
DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               University of Iowa
451 Eckstein Medical Research Building Iowa City, IA 52242, USA
Tel: 319 335 8250
Fax: 319 335 9565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         POLYA=Yes
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1 (bases 1 to 538)
Bonaldo, M.F., Lennon, G. and Soares, M.B.
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                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tissue(s): lens. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pTT3-Pac vector. The
                                                                                                                                                                                                                                                                                                                                   TAG_SEQ=CGATTAGCGA"
                                                                                                                                                                                                                                                                                                                                                                             System, supported by National Eye Institute (NEI) TAG_LIB=UI-E-DWO
                                                                                                                                                                                                                                                                                                                                                        TAG_TISSUE=human lens
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/note-"Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not I;
UI-E-DW0 is a cDNA library containing the following
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/clone_lib="UI-E-DWO"
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UI-E-DW1-ahd-c-11-0-UI.sl UI-E-DW1 Homo sapiens cDNA clone UI-E-DW1-ahd-c-11-0-UI 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                 Email: msoares@blue.weeg.ulowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa
DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
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Bonaldo, M.F., Lennon, G. and Soares, M.B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      451 Eckstein Medical Research Building Iowa City, IA 52242, USA Tel: 319 335 8250
Fax: 319 335 9565
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'llab_hosi="DH10B (Life Technologies) (T1 phage resistant)" note="Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a modified polylinker; Site_1: EcoR I; Site_2: Not I; UI:E-DW1 is a normalized cDNA library containing the following tissue(s): lens. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double
                                                                                                                                                                                                                        /clone="UI-E-DW1-ahd-c-11-0-UI"
/clone_lib="UI-E-DW1"
                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/db_xref="taxon:9606"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 678)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project
                                                                                                                                                                                                                                               A1936826
                                                                                                                                    Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TAG_SEQ-CGATTAGCGA"
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99.8%;
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Pred. No. 0;
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COMMENT

JOURNAL

(CGAP/BTGAP), Tumor Gene Index Unpublished (1998)
Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov

Tissue Procurement: David N. Louis, M.D.,

Myrna

R. Rosenfeld M.D.,

TITLE AUTHORS QΥ

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BASE COUNT
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                  1541 TTCAAACCCGGGGGGGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTG 1598
                                                                                                                                   1361 CACGAGCAGGAGGGAGAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATGAA 1420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1001 TGCAGAGGACTGGCGCCGGGACGCGAAGAGCGAACGGGCGCTTGCACAAAGCGGGCGCTGTC 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1061
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                             TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 1300
                                                         TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 239
                                                                                                                                                                                                                                                                                                                 TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA 1240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GCGGCAGCACGACC-TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAG 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTC 538
                                                                                                                                                                                                                                                                                                                                                                      TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                  GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCGGCAGCACCACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA 1180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAG 1120
DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      High quality sequence stop: 454.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cDNA Library Arrayed by: Greg Lennon, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2467075"
/clone_lib="NCI_CGAP_Brn25"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /tissue_type="anaplastic oligodendroglioma"
/lab_host="DHIOB"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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99.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 426;
Pred. No. 0;
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AI150931/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM
1356 GCAGACACGAGCAGGAGGGAGAGAGAGAAAAGAAAACACAGCATGAGAACACAGTAA 1415
                                                                                           1296 GATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGG 1355
                                                                                                                                                                                    1236 GATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCAT 1295
                                                                                                                                                                                                                                                           1176 GTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAAGGGGAGGAG 1235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       source
                                            347 GATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGG
                                                                                                                                       467 GTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAACGTCTCCGAGAAGGGGAGGAG 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         58 TTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTG
                                                                                                                                                                                                                                                                                                                                             425;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 467)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index Unpublished (1998)
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1149 Std Error: 0.00
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AI150931 467 bp mRNA linear EST 26-OCT-1998 qb53c04.x1 NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:1703814 3' similar to SW:NTRI_RAT P20789 NEUROTENSIN RECEPTOR TYPE 1 ;, mRNA
                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seq primer: -40ml3 fwd. ET from Amersham
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sequence.
AI150931
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         106
                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                T 3']; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and clouthe Not I and Eco RI sites of the modified pT7T3 thorary is normalized, and was constructed by Bent Soares and M.Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:1703814"
/clone_lib="NCI_CGAP_Brn23"
/tissue_type="glioblastoma (pooled)"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ph.D.
                                                                                                                                                                                                                                                                                                                                                            26.3%; Score 425;
100.0%; Pred. No. (
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                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                               DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the modified pT7T3 vector. constructed by Bento
                                                                                                                                                                                                                                                                                                                                                                               Length 467;
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                                                                                              Matches 474;
                                                                                                                           Query Match
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 1198 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGGAGGAGCATCATGTACGCCCGGAAGTAG 1257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      167
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                                                                                                            Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AW338938 527 bp mRNA linear EST 31-JAN-2000 ha68h04.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2878903 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                                              Seq primer: -40UP from Gibco
High quality sequence stop: 420.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nlh.gov
Life Technologies catalog #: 11548-013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumor Gene Index Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPR39.;, mRNA sequence.
AW338938
                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA Sequencing by: Washington University Genome Clone distribution: NCI-CGAP clone distribution found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AW338938.1 GI:6835564
                                                                                                                                                                                                                                                                                                                                                                                                            Possible reversed clone: similarity on
                                                                                                                                                                                                                                                                                                                                                                                                                                           www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (bases 1 to 527)
                                                                                                                                                                          103 a
                                                                                              Conservative
                                                                                                                                                                                       /note="Organ: pancreas; Vector: pCMV-SPORT6; Site_1: SalI;
Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.72 kb. Life Technologies catalog #:
11548-013"
                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                /clone_lib="NCI_CGAP_Pan1"
/tissue_type="adenocarcinoma"
                                                                                                                                                                                                                                                                                               /clone="IMAGE:2878903"
                                                                                                                                                                                                                                                      /lab_host="DH10B"
                                                                                                                                                                          143 c
                                                                                                            26.2%;
                                                                                              0; Mismatches
                                                                                                                                                                        120 g
                                                                                                            Score 424;
Pred. No. 0;
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                                                                                                                                                                                                                                                                                                                                                                                                             wrong strand
                                                                                                                           Length 527;
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                                                                                                                                                                                                                                                                                                                                      cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 515)
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                                                                                                                                                                                                                                                                                                                                                                                                                       Bonaldo, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D.
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National Cancer Institute, Cancer Genome Ana
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                            quality sequence stop: 444.
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker, Site_1: Not I; Site_2: Eco RI; Plasmid DAA promote the normalized library NCI_CGAP_GC4 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization
                                                                                                 /tissue_type="pooled germ cell tumors"
/lab_host="DH10B"_
                                                                                                                                      /clone="IMAGE: 2009444"
/clone_lib="NCI_CGAP_GC6"
                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
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RESULT 19
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                                                                                      Program for Rat Gene Discovery and Mapping University of Iowa 451 Eckstein Medical Research Building Iowa City, Tel: 319 335 8250
Fax: 319 335 9565
                                                                                                                                                                                                                                                                                                                                                                                                               BM686824 421 bp mRNA linear IUI-E-CR1-aec-b-10-0-UI.rl UI-E-CR1 Homo sapiens cDNA UI-C-CR1-aec-b-10-0-UI 5', mRNA sequence.
Tissue Procurement: Dr. Gregg Hageman cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
                                                                                                                                                                         Contact: Soares, MB
                                                                                                                                                                                                                              discovery
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                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                  BM686824
                                                                    Email: msoares@blue.weeg.uiowa.edu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                         Res. 6 (9), 791-806 (1996)
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Pred. No. 0;
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RESULT 20 AW075598/c LOCUS

DEFINITION

AW075598
xb24e07.x1 NCI_CGAP_Kid13 Homo sapiens cDNA clone image.....
similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR

VERSION KEYWORDS ACCESSION

AW075598 AW075598.1

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                                                                                                                864 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG
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AGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCT
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/dev_stage="adult"
/dev_stage="adult"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/lab_host="PH10B (Life Technologies) (T1 phage resistant)"
/lab_host="PH10B (Life Technologies) (T1 phage resistant)"
/note="Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not I;
/note="Organ: eye; Vector: pT7T3-Pac (Containing the
following tissue(s): eye anterior segment. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand CDNA
synthesis was primed with an oligo-dT primer containing a
Not I site: Double stranded cDNA was ligated to an EcoR I
adaptor, digested with Not I, and cloned directionally
into pT7T3-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (dT)18 tail. The sequence tag for this library is AATGCCGCAT. This library was created for the program, Gene Discovery in the Visual System, supported by National Eye Institute (NEI)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone="UI-E-CR1-aec-b-10-0-UI"
/clone_lib="UI-E-CR1"
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Best Local :
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                                   TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 1600
                                                                                                                                                                      TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTTCAGTGTTTGGACT 1497
                                                                                                                                                                                                                                                                                                                                                                                               GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC 1317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 1
                                                                          TGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGT 44
                                                                                             TGACAGCTTCTTTTGCCACAAGCAAGAGAGAGTTTAACACTGTTTCAAACCCGGGGGAGT 1557
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                                                                                                                                                    TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT 104
                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 500) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap. National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R.
Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D., cDNA Library Preparation: Life
Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The
I.M.A.G.E. Consortium DNA Sequencing by: Washington University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Genome Sequencing Center Clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Possible reversed clone: similarity on wrong strand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   www-bio.llnl.gov/bbrp/image/image.html
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="Organ: kidney; Vector: pCMV-SPORT6; Site_1: Sal
Site_2: NotI; Cloned unidirectionally. Primer: Oligo
Library constructed by Life Technologies."
139 c 114 g 148 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:5577252"
/clone_lib="NCI_CGAP_Kidl3"
/tissue_type="2 pooled Wilms' tumors, one metastatic to brain"
/lab_host="DH10B"
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Pred. No. 0;
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                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                    Score 411;
Pred. No. 0;
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GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC 283
                                                                                                              GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCCAGCCCATGATCCTCCGAATCTGGTTGGGC 1317
                                                                                                                                                       GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG 343
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DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL, send email to:

info@image.llnl.gov
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
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                                                                                                                                                                                                                                                                                                                                                                                                     /clone="IMAGE:3306972"
/clone_lib="NCI_CGAP_Brn23"
/tissue_type="glioblastoma (pooled)"
/lab_host="DH10B"
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Query Match
Best Local Similarity
Matches 461; Conserv
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AI990500
AI990500.1 GI:5837381
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1 (bases 1 to 616)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
R. Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unpublished (1997)
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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DNA Sequencing by: Washington University Genome
Clone distribution: NCI-CGAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1212 Std Error: 0.00
Seq primer: -40UP from Gibco
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                                                                                                     120
                                                                                                                                                                                                                                                                                                                                                                                                                                  quality sequence stop: 459.
Location/Qualifiers
                                                                                             /tissue_type="pooled_germ cell tumors"
/lab_host="bH10B"
/lab_host="bH10B"
/lab_host="bH10B"
/note="vector: pT7T3D-Pac (Pharmacia) with a modified /note="vector: pT7T3D-Pac (Pharmacia) with a modified /polylinker; Site_1: Not I; Site_2: Eco RI; plasmid DNA from the normalized library NCI_CGAP_GC4 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1257096-1258631, 1469064-1470983, and 1475592-1476743).
Subtraction by Bento Scares and M. Fatima Bonaldo. "
20 a 182 c 147 g 167 t
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                                                                                                                                                                                                                                                                                                                                                         /db_xref="taxon:9606"
/clone="IMAGE:2499661"
                                                                                                                                                                                                                                                                                                                                       /clone_lib="NCI_CGAP_GC6"
                                                                                                                                                                                                                                                                                                                                                                                                /organism-"Homo sapiens"
                    25.4%;
                    Score 411;
Pred. No. 0;
                                           DB 9; Length 616;
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Conservative

0

Mismatches

1.

Indels

0,

Gaps

0

/clone_lib="NCI_CGAP_GC6" /db_xref="taxon:9606" /clone="IMAGE:2949166"

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1198 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCCGGAAGTAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 649)
                                                                                                                                                                                                                                                                                                                                      cDNA Library Preparation: M. Bento Soares, Bonaldo, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
National Cancer Institute, Cancer Genome Ana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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                                                                   High quality sequence stop: 4
                                                                                                                                                                                                                              cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumor Gene Index
                                                                                                                           Seq primer: -40UP from Gibco
                                                                                                                                                    Possible reversed clone: similarity on wrong strand
                                                                                                                                                                                                       image.llnl.gov/image/html/iresources.shtm.
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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ORIGIN

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                                                       Contact: Robert Strausberg, Ph.D.
                                                                               (CGAP/BTGAP), Tumor Gene Index
Unpublished (1998)
                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 452)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                  AI391683
452 bp mRNA linear EST 17-MAR-1999
gy93f04.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2019583 3'
similar to SW:NTR1_RAT p20789 NEUROTENSIN RECEPTOR TYPE 1 ;, mRNA
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/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                       GI:4217687
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Pred. No. 0;
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COMMENT

DEFINITION LOCUS BI919074

mRNA sequence

BI919074 704 bp mrNA lines 603180881F1 NIH_MGC_121 Homo sapiens cDNA clone

linear

IMAGE: 5244956

EST 16-OCT-2001

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                                                                                                1515 ACAAGCAAGAGAGATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAA 1574
                                                                                                                                                                   1455 GCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCC 1514
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                                                                                                                                                                                                                                         1395 CACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGT 1454
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                  GACCATTAAATGCTTTAGACAGTGT 1599
GACCATTAAATGCTTTAGACAGTGT 1
                                                               ACAAGCAAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAA 26
                                                                                                                                   GCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCC
                                                                                                                                                                                                                                                                               CTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAA 1334
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1183 Std Error: 0.00
Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bonaldo, Ph.D.
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/lab_host="DH10B"
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/clone="IMAGE:2019583"
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  CACCATCCTGTTCCTCAAATTAGCCC 386
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National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies,
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BI919074.1 GI:16200128
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/db_xref="taxon:9606"
/clone="IMAGE:5244956"
/clone_11b="NIH MGC_121"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="Organ: brain; Vector: pCMV-SPORT6; Site_1: Not1; Site_2: ECORV (destroyed); RNA source anonymous pool of 3 fetal brains, female age 20 weeks, female age 24 weeks, and male age 26 weeks. Library is oligo-dT primed and directionally cloned (ECORV site is destroyed upon cloning). Average insert size 1.7 kb, insert size range 0.7-3.5 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 017. Note: this is a NIH_MGC Library."
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                                                                                                                                                                                                                                                                                                    1149 CCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTA 1208
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                         GGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAA 1388
                                                                                                                            GTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATAC 1328
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                                                                        GTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATAC
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AI765236.1 GI:5231745
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Contact: Robert Strausberg, Ph.D.
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Seg primer: -40UP from Gibco
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: cgapbs-r@mail.nih.gov
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                                                                                                                                                                                                                                                                                                                                                                            Conservative
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/clone="IMAGE:2398911"
/clone_lib="NCI_CGAP_Kid12"
/tissue_type="2 pooled tumors (clear cell type)"
/lab_host="DH10B"
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: paul-mccray@uiowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                938 bp mRNA linear EST 21-MUI-CF-EN1-adh-b-10-0-UI.Sl UI-CF-EN1 Homo sapiens cDNA clone UI-CF-EN1-adh-b-10-0-UI 3', mRNA sequence.
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1 (bases 1 to 738)
                                                                                                                                                                                                                                                                                                                                                                                                                      Seq primer: M13 FORWARD
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               /note="Organ: Lung; Vector: pT773-Pac (Pharmacia) with a modified polylinker; Site_1: EcoR I; Site_2: Not I; UI-CF-ENI is a normalized cDNA library containing the following tissue(s): Primary Lung Cystic Fibrosis Epithelial Cells. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT773-Pac vector. The
   oligonucleotide used to prime the synthesis of
                                                                                                                                                                                                                                                                                       /clone="UI-CF-EN1-adh-b-10-0-UI"
/clone_lib="UI-CF-EN1"
                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                           /lab_host="DH10B (Life Technologies) (T1 phage resistant)"
                                                                                                                                                                                                                                                                    /tissue_type="Primary Lung Cystic Fibrosis Epithelial
                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                dev_stage="Adult"
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/organism="Homo sapiens"
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                                        cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov http://image.lnl.gov column: 18
                                                                                                                                                                                                          Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 821)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mRNA sequence.
                          quality sequence stop:
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TAG_SEQ=CTGCTCAGGT"
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Location/Qualifiers
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Unpublished (1998)
Other_ESTs: 7171h01.x1
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Robert Jenkins, M.D.,
                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 381)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
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381 bp mRNA linear EST 16-OCT-2000 7171h01.yl NCI_CGAP_Brn20 Homo sapiens cDNA clone IMAGE:3340177 5' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
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/clone_1ib="NIH_MGC_43"
/clone_1ib="NIH_MGC_43"
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/tissue_type="normal pigmented retinal epithelium"
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/lab_host="bull00 (phage-resistant)"
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The vector to vector length is 382
Seq primer: -40RP from Gibco.
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CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL, send email to:
                                                                                                                               info@image.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 371)
                                                                             BF054680.1 GI:10808576 EST.
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/dev_stage="adult"
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/db_xref="taxon:9606"
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National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
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DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL, send email to:
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/db_xref="taxon:9606"
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Contact: Zeguang Han
Cohinese National Human Genome Center at Shanghai
351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    201203, P. R. China
Tel: 86-21-50801919(ex.45)
Fax: 86-21-50801922
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Li,N., Qian,B., Liu,F., Qu,J., Gao,X., Cheng,Z., Xu,Z., Zeng,L.,
'S., Gu,W., Tu,Y., Jia,J., Fu,G., Ren,S., Zhong,M., Lu,G., Hu,R.,
Chen,J., Chen,Z. and Han,Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: hanzg@chgc.sh.cn
This clone is available at CHGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens cDNA HTC clones
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note="Vector: pBluescript sk(-); Site_1: EcoRI; Site_2:
XhoI"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /tissue_type="Hypothalamus"
/dev_stage="Adult"
/lab_host="SOLR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone_lib="HTC"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches 534;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        873 TCTGCAGCAGAATTGGCTGGCTTTCGCGCCCTGAGTTGGGCTCTAGTGACTCGAGACTCAAT 932
                                                                                                                                                                                                                                                                                                  454 GTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGG 395
                                                                                                                                                                                                                                                                                                                                                                                                  514 GACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCA 455
                                                                                                                                                                                                                                                                                                                                                                                                                                               933 GACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCA 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   574 TCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAAT 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                        AGCGACAGGCGGCAGCACACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACAC 1172
                                                                                                                                                                                                                           GCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGC 1112
                                                                                                                                                                                                                                                                                                                                                   GTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGG 1052
CGTGTACAGGAACGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
                                               CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG 1232
                                                                                                                                                                                              GCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGC
                                                                                                AGCGACAGGCGGCAGCACCAGCACC-TGCACGAAACCCGCCGAAACTGCTGCGAGGACAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 806 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mammalia; Eutheria; Primates; Catarrhini; Hon 1 (bases 1 to 578)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                High quality sequence stop: 460.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tumor Gene Index
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           National Cancer Institute, Cancer Genome Anatomy Project (CGAP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /notes "Organ: pooled; Vector: pT773D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Ecc RI; Equal amounts of plasmid DNA from five normalized libraries were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified CDNAs from pools of 5,000 clones made from the same 5 libraries. The pools consisted of the following libraries and cloneIDs: Soares NbHSF pool 1: 309384-310919, 323208-325895 Soares NbHSF pool 1: 309384-310919, 323208-325895 Soares NbHPA pool 1: 758280-760583, 772104-774407 Soares NbHPA pool 1: 304776-306311, 320136-322823, 326280-326663 Soares NbHOT pool 1: 723720-726407, 739080-740999 Subtraction by Bento Soares and M. Fatima Bonaldo."
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/db_xref="taxon:9606"
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/clone_lib="Soares_NSF_F8_9W_OT_PA_P_S1"
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                                                                        Query Match
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                                        Local Similarity
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AA084248
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Insert Length: 980 Std Error: 0.00 Seq primer: -28M13 rev2 from Amersham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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EST.
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Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     High quality sequence stop: 357.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Wilson RK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: est@watson.wustl.edu
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    Conservative
                                                                                                                                                                                 /clone_lib="Stratagene neuroepithelium NT2RAMI 937234"
/dev_stage="Ntera 2/RA+MI neuroepithelial cells"
/lab_host="SOLR (kanamycin resistant)"
/note="Vector: pBluescript SK-; Site_1: EcoRI; Site_2:
/not; Cloned unidirectionally. Primer: Oligo dT. NT2
xhoI; Cloned unidirectionally. Primer: Oligo d
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/db_xref="GDB:3926237"
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/clone="IMAGE:547721"
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                                    22.4%;
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   Best Local Similarity
                         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                         Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R. Emmert-Buck, M.D., Ph.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The I.M.A.G.E. Consortium DNA Sequencing by: Washington University
                                                                                                                                                                                                                                                                                                                                                                                       Genome Sequencing Center Clone distribution information can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BE350014 534 bp mRNA linear EST 18-JUL-2000 ht07912.xl NCI_CGAP_Kidl3 Homo sapiens cDNA clone IMAGE:3146086 3/ similar to SW:GB39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                      found through the I.M.A.G.E. Consortium/LLNL, send email to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                          info@image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP).
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Location/Qualifiers
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                                                                  /note="Organ: kidney; Vector: pCMV-SPORT6; Site_1: Sall;
Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT
Library constructed by Life Technologies."
172 c 143 g 121 t
                                                                                                                                                                           /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="Ihb="NCI_CGAP_Kid13"
/tissue_type="2 pooled Wilms' tumors, one primary and one
                                                                                                                                                                       metastatic
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                                                                                                                                                 metastatic to brain"
/lab_host="DH10B"
 22.2%;
Score 359;
Pred. No. 0;
                 DB 10;
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                                                                                                                                                                                            CDNA Library Preparation: Ling Hong/Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 573)

NIH-MGC http://mgc.nci.nih.gov/.
                                                                                                                                                                                                                                                                                                        Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                         Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BE395206 573 bp mRNA linear EST 21-JUL-2 601309558F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3631047 5',
                                                                                                                                                                                                                                                                                                                                                                 Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                  National Institutes of Health, Mammalian
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                                                                                                                      quality sequence stop: 573
Location/Qualifiers
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                                                           /organism="Homo sapiens"
/db_xref="taxon:9606"
                     /clone_lib="NIH_MGC_44"
                                        /clone="IMAGE: 3631047"
/tissue_type="endometrium,
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AWO873
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1 (bases 1 to 432)
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High quality sequence stop: 306.
Location/Qualifiers
                                                                                                                                                                                                                                                                                  Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                    Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R. Emmert-Buck, M.D., Ph.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The I.M.A.G.E. Consortium DNA Sequencing by: Washington University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                    Seg primer: -40UP from Gibco
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                                                                                                                                                Possible reversed clone: similarity on
                                                                                                                                                                                                                                               www-bio.llnl.gov/bbrp/image/image.html
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/note="Organ: uterus; Vector: pOTB7; Site_1: XhoI; Site_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI,XhoI sites using the following 5' adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
a 192 c 154 g 108 t
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100.0%; Pred. No. 0;
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ov32e04.x1 Soares_testis_NHT Homo
3' similar to SW:NTR1_RAT P20789 N
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                                                                                                                                                                                                                                                                                                                                                                                                                                               mRNA sequence.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                            Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                Tumor Gene Index Unpublished (1997)
                                                                                                                                                                                                                                                       NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                             AI018769.1 GI:3232567
                                                                                                                                                       cDNA Library Preparation:
                                                                                                                                                                            Email: cgapbs-r@mail.nih.gov
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Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT
Library constructed by Life Technologies."
a 116 c 89 g 134 t 1 others
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/clone="iMAGE:2576786"
/clone_iib="NCI_CGAP_Kid13"
/tissue_type="2 pooled Wilms' tumors, one primary and one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
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                                                                                                                                                              M. Bento Soares, Ph.D.,
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High quality sequence stop: 452

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                       AUTHORS
                                                                                                                                                                                                                                                                                       1558 TGGCTGTTAAAGAAAGACCATTAAATGCTTTAG 1592
                                                                                                                                                                                                                                                                                                                                              1498 TGACAGCTTCTTTTGCCACAAGCAAGAGAGATTTAACACTGTTTCAAACCCGGGGGAGT 1557
                                                                                                                                                                                                                                                                                                                                                                                           1438 TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT 1497
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                                                                                                                                                                                                                                                                                                                                                                            175 TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT 116
                                                                                                                                                                                                                                                                                                                   115 TGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGT
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   NIH-MGC http://mgc.nci.nih.gov/
National Institutes of Health, 1
                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 707)
                                                                                                                                                                 707
603180565F1 NIH_MGC_121 Homo
                                                                                 Homo sapiens
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/clone="IMAGE:1639038"
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/db xref="taxon:9606"
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Pred. No. 0;
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Mammalian Gene Collection (MGC)
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                                                                                                                                                                                                                                                                                                                           241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 300
                                                                                                                                                                                                                                                                                                                                                                                              466 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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                                                                                                                                                                                                         CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCTCAGGCCA 634
                                                                                                                                                                                                                                                                                                  CTGCTCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA
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                                                      601276753F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3617749 5',
  BE386060.1
                        BE386060
                                            mRNA sequence.
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Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM11617 row: a column: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: Robert Strausberg, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="Organ: brain; Vector:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="NIH_MGC_121"
/lab_host="DH10B"
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GI:9331425
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae;

Euteleostomi;

Homo sapiens

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local
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                                                                                                                                                                                                                                                                                                                                      CATCAGCTGCTACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTC
                                                                                                                                                                                                                                                                                                                                                         CATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAAGGGGGAAGTTC 330
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                                                                                                                                                                                                                                                                                             TGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAA 378
                                                                                                                                                                                                                                                                                                                                                                                                                     TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
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                                                                            prime, mRNA sequence.
AL538562
AL538562.1 GI:12866967
                                                                                                                              AL538562 LTI_FL013_FBrn1 Homo
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Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov Plate: LLCN285 row: 1 column: 14
High quality sequence stop: 593.
Location/Qualifiers
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
                                                                EST
  Eukaryota;
                      Homo sapiens
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Tissue Procurement: ATCC/DCTD/DTP
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/tlssue_type="melanottc melanoma"
/lab_host="DH10B (phage-resistant)"
/lab_host="DH10B (phage-resistant)"
/note="Organ: skin; Vector: pOTB7; Site_1: XhoI; Site_2:
ECORI; cDNA made by oligo-dT priming. Directionally
cloned into ECORI/XhoI sites using the following 5;
adaptor: GCCACG(G). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
39 a 166 c 183 g 105 t
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/db_xref="taxon:9606"
/clone="IMAGE:3617749"
    Metazoa;
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100.0%; Pred. No. 0;
  Chordata;
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o sapiens
  Craniata;
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Vertebrata; Euteleostomi;
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clone CS0DF024Y004
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VERSION
KEYWORDS
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DEFINITION
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BF935708/c
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                                                                                                                                                                                                                                                                                                                                                                            241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCTGCAACACCCCCTCTTTGTAA
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BF935708
BF935708.1 GI:12353032
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Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
 1 (bases 1 to Dias Neto, E., G
                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                            Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note-*Organ: Fetal brain; Vector: pcMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the pcMVSPORT 6 vector. Library was constructed by Life Technologies. Contact: Feng Liang Life Technologies, a division of Invitrogen 9800 Medical Center Drive Rockville, Maryland 20850, USA Fax: (1) 301 610 8371 Email:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 http://fulllength.invitrogen.com"
1 285 c 257 g 199 t
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/dev_stage="pooled tissue from post conception fetuses
week, 24 week and 26 week)"
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 García Correa, R.,
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Pred. No.
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Verjovski-Almeida, S., Briones, M.R.,
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                                                                                                                                                                  Homo sapiens cDNA,
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                                                                                                                                                                                        mRNA
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                                     Hominidae;
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                                                      Euteleostomi;
                                                                                                                                                                  mRNA sequence.
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RESULT 42
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                                                                                                                                                                                AAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGC 1083
                                                                                                                                                                                                                                                                                                                                                         ACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAAT 985
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAA 233
                                                                                                                                                                                                                         CTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCAC
                                                                                                                                                                                                                                                                                                                ACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAAT 113
AW191974 454 bp mRNA linear EST 29-NOV-x178a02.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2680778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=MR2&t2=MR2-NT0138-
281200-008-f08&t3=2000-12-28&t4=1)
Seq.primer: puc 18 forward
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      quality sequence start: 14 quality sequence stop: 368.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note-"Organ: nervous_tumor; Vector: puc18; Site_1: SmaI; Site_2: SmaI, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism-"Homo sapiens"
/db_xref-"taxon:9606"
/clone_lib-"NT0138"
/dev_stage-"Adult"
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                  GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1344
GAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC
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AW191974
AW191974.1 GI:6470673
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumor Gene Index
Unpublished (1997)
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National Cancer Institute, Cancer Genome Anat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Life Technologies catalog #: 11548-013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
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Site_2: NotI; Cloned unidirectionally. Primer: Oligo of Average insert size 1.72 kb. Life Technologies catalog 11548-013"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /clone="IMAGE:2680778"
/clone_lib="NCI_CGAP_Pan1"
/tissue_type="adenocarcinoma"
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241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA
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                                                                                                           GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGGATCATGTA 504
                                                                                                                                              GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
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Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: LLAM11619 row: n column: 17
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /db_xref="taxon:9606"
/clone="IMAGE:5245648"
/clone_11b="NIH_MGC_121"
/lab_host="DH10B"
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                                                               CCCCAACCCCCCACCTCAGTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGG
                                                                                                                             GCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGC
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                                              CCCCAACCCCCACCTTCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGG
                                                                                                              GCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGC
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Contact: John Quackenbush
The Institute for Genomic Research
9712 Medical Center Dr., Rockville,
Tel: 301 838 3528
Fax: 301 838 0208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Assessment of gene expression patterns in a model of colon tumor metastasis using a 19,200 element cDNA microarray Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seq primer: Reverse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hegde, P., Qi, R., Abernathy, K., , I.E., Saeed, A.I., Sharov, V., I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: johnq@tigr.org
Plate: 65
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
/clone_lib="MAGE resequences, MAGC"
/note="Vector: pBluescriptSKm"
150 c 134 g 134 t
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Pred. No. 0;
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41 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA	Q g
181 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240	B 8
121 GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180 	Дb
61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCCCCGGAGTTCATTGTGAATTGCAC 120	Db Qy
Query Match 20.3%; Score 328; DB 13; Length 690; Best Local Similarity 100.0%; Pred. No. 0; Mismatches 328; Conservative 0; Mismatches 0; Indels 0; Gaps	Qu Ma
/clone="MAGE:5: /clone_1lb="NIH, /tlssue_type="NIH,	BASE
Plate: LLAM11792 row: p column: 10 High quality sequence stop: 690. EATURES Location/Qualifiers 1. 690 /organism="Homo sapiens" /db_xref="taxon:9606"	FEAT
Email: ogapbs-r@mail.nih.gov Tissue Procurement: Miklos F cDNA Library Preparation: Na Toshiyuki and Piero Carninoi cDNA Library Arrayed by: Th DNA Sequencing by: Incyte C Clone distribution: MGC clo found through the I.M.A.G.E. http://lmage.linl.gov	
REFERENCE 1 (bases 1 to 690) AUTHORS NIH-MGC http://mgc.nci.nih.gov/. TITLE National Institutes of Health, Mammalian Gene Collection (MGC) JOURNAL Unpublished (1999) COMMENT Contact: Robert Strausberg, Ph.D.	REFE AU TI
SION B1669845.1 GI: N B1669845.1 GI: RDS EST. E human. ANISM Homo sapiens Eukaryota; Meta Mammalia; Euth	ACCES: VERSII KEYWO: SOURC: ORG
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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                                                                                                                                                                                     Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
cytostatic; gene; ss.
                                                                                                                                                                                                             Human ovarian carcinoma associated coding sequence SEQ ID NO: 205.
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Novel ovarian cancer polypeptide and polynucleotide, useful for

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RESULT 2
ABT03281
ABT03281 standard;
cDNA; 1619
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05-SEP-2002 (first entry)

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ovarian carcinoma associated coding sequence SEQ ID NO:

cytostatic; Human; ovarian gene; carcinoma; gene therapy; immunotherapy.

Homo sapiens

WO200239885-A2

23-MAY-2002.

PF XXX 13-NOV-2001; 2001WO-US45395

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Matches 1619
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03-APR-2001;
02-OCT-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
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TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
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ABL40345 standard; CDNA;

RESULT 3
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C that may be utilised in cancer therapy, for example in a vaccine or
C gene therapy. Polypeptides and polynucleotides of the invention are
C useful for detecting a cancer in a patient, for stimulating and/or
C expanding T-cells specific for a tumour protein, and for inhibiting the
C development of a cancer in a patient. They are also useful for
C stimulating an immune response in a patient, and for treating a cancer in
C a patient and for determining the presence of a cancer in a patient.
C he isolated polynucleotides of the invention are useful for their
C ability to selectively form duplex molecules with complementary stretches
C of the entire desired gene or gene fragments, and for designing and
C preparing ribozyme molecules for inhibiting expression of tumour
C polypeptides in tumour cells. Polypeptides and polynucleotides of the
C invention are also useful in recombinant DNA molecules to direct
                                                                                                                                                                                                                                                              Matches 1619;
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                                                                                                                                                                                                                                                                                                                                                       sequence represents the extended cDNA sisolate 57887 given in record ABL48956.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim
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07-SEP-2000;
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                  CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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                                                                                                                                                                                                          GGCAACTTTTTGCGGATTGTTCCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
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/) STOLK J A.
/) ALGATE P A.
/* TITNG S P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      tumour polypeptide and polynucleotide useful in diagnosis, ion and/or treatment of cancer, especially ovarian cancer
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2000US-0713550.
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The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour
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                                                                                                                                                                                                         Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
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STOLK J A.
ALGATE P A.
FLING S P.
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2000US-0640173.
2000US-0656668.
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                                    Ovarian cancer;
                                                             Ovarian carcinoma O1034C/O591S consensus nucleotide sequence.
                                                                                     28-JUN-2002
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                                                                                                                                                                                                      AGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTAG
                                                                                       (first entry)
                                    cancer therapy; vaccine;
                                     gene therapy; tumour;
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                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or compared therapy. Polypeptides and polynucleotides of the invention are consetul for detecting a cancer in a patient, for stimulating and/or constanting T-cells specific for a tumour protein, and for inhibiting the convertible of a cancer in a patient. They are also useful for cancer in a patient, and for treating a cancer in a patient, and for treating a cancer in constanting an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their cability to selectively form duplex molecules with complementary stretches co f the entire desired gene or gene fragments, and for designing and CC polypeptides in tumour cells. Polypeptides and polynucleotides of the conversion of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells. The current constants are complemented to direct convents and the complements of a polypeptide in appropriate host cells. The current constants are constanted to direct convents and the complements of a polypeptide in appropriate for the current constants.
                                                                                                                                                                                                                                                                                                Query Match
Best Local
                                                                                                                                                                                                                                                                                Matches 1616;
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15-AUG-2000;
07-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
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(STOL/) STOLK
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                                                                                                                                                                                                                                                                                                                                                  Sequence 1897 BP; 435 A; 521 C; 532 G; 407 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                     nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                     sequence represents the ovarian carcinoma 01034C/0591S consensus
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                                                                                                                                                                                                                                                                                                  Local Similarity
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                               CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
                                                                   GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGGAAAGTGCCGGGATCATGTA 180
                                                                                                                                       GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC
 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
                                                                                                                                                                          GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                            GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 339
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ALGATE P A
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2000US-0656668.
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AAF22373 to AAF22421 encode the human secreted proteins given in AAB6318 to AAB63182. AAB63183 to AAB63231 represent more human secreted protein; and polypeptides homologous to them. Human secreted proteins have activities based on the tissues and cells the genes are expressed in. Examples of activities include: immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; notropic; neuroprotective; antibacterial; virucide; fungicide; and ophthalmological. The polynucleotides and proteins can bused to prevent, treat or ameliorate a medical condition in e.g. humans

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RESULT 7
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                                                                                                                                                                                                                                                                                                                                                            Human; secreted protein; diagnosis; immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; notropic; neuroprotective; antibacterial; virucide; fungicide; ophthalmological; gene therapy; autoimmune disease; neoplasm; rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia; angiogenesis; nervous system disorder; Alzheimer's disease; infection; occular disorder; corneal infection; wound healing; skin aging;
                                                                                                     Claim 1;
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CC also used in diagnosing a pathological condition or sheep. They are CC also used in diagnosing a pathological condition or susceptibility to a CC pathological condition. Disorders which are diagnosed or treated include autorimume diseases e.g. rheumatoid arthritis, hyperproliferative CC disorders e.g. neoplasms of the breast or liver, cardiovascular CC disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral CC disease, infections caused by bacteria, viruses and fungl and ocular CC disease, infections caused by bacteria, viruses and fungl and coular CC disorders e.g. corneal infection. The polypeptides can also be used to caid wound healing and epithelial cell proliferation, to prevent skin CC supporting cell culture of primary tissues, to regenerate tissues and in CC constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants. The polypeptides can also be used as a food additive or constants.
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ВP

(first entry)

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Human secreted protein gene 13 SEQ Ħ NO:23

Human; secreted protein; immunosuppressive; antiarthritic; antirheumati antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; vulnerary; autoimmune disease; cardiovascular disorder antirheumatic; disorder

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Query Match
Best Local
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                                                                                                                                                                                    1674
                                                                                                                                                                                                                                                                                                                                                                                             angiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. Included in the invention are polynucleotide sequences AAF64167 - AAF64175 and peptide AAB75505 which proteins of the invention.
                                                                                                                                                                                                                                                                                                                                                Sequence 1956 BP; 430 A; 543 C; 524 G; 456 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequences AAF64176 - AAF64224. The specification includes amino acid sequences AAB75555 - AAB75606 which represent fragments of the human secreted proteins, and protein sequences with which they share homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acid molecules encoding human secreted proteins, used in preventing, treating or ameliorating a disorder, e.g. Alzheimer's Parkinson's diseases and cancers -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted proteins AAB75506 - AAB75554 are encoded by polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 443-444; 542pp; English.
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(ROSE/) ROSEN C A.
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GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 1495
                         GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCCGGGATCATGTA 180
                                                                                                             GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                    GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC
                                                                                                                                                                         GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 1615
                                                                                                                                                                                                                                                                      Conservative
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2; Mismatches
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                                                      CTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGAC
                                                                                                                                           ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG
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                                   CTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGAC
                                                                                                       ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
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11-JAN-2000;
02-MAY-2000;
                             which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAB93917 - AAF93917 - AAF93917
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sequences may also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development - {\sf res}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-JUL-2000; 2000EP-0114090.
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CC (e.g. polymerase chain reactions (PCR)) to detect and quantitate the CC presence of similar nucleic acid sequences in samples. They may also be CC used to study the expression and function of secretory proteins/membrane CC polypeptides and their role in metabolism. The polypeptides may be used CC as antigens in the production of antibodies against them and in assays to CC identify modulators (agonists and antagonists) of expression and CC activity. The antibodies and antagonists may also be used as therapeutic CC agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the CC polypeptides in samples (e.g. by enzyme linked immunosorbant assay CC (ELISA). Examples of diseases which may be treated include rheumatoid XX Sequence 1890 BP; 419 A; 528 C; 533 G; 410 T; 0 other; Ouery Match Set Core 1548.8; DB 22; Length 1890; Best Local Similarity 99.68; Pred. No. 0;

Matches 1594;

Conservative

0;

Mismatches

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                                                            Human; ovarian antigen; ovary; ovarian; breast; cancer; tumour; ovarian cancer; breast cancer; tumour; reproductive system disorder; infertility; pregnancy disorder; anovulation; polycystic ovary syndrest; ovarian cyst; dysmenorrhoea; endocrine disorder; infection;
             inflammatory condition; immune disorder; blood disorder; cardiovascular disorder; respiratory disorder; neurological disorder; gastrointestinal disorder; urinary system disorder; drug screening;
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 forensic analysis;
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166 TGCCGGGATCATGTACCGCCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGC 225

CGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAA 285

Matches 1428; Query Match

Similarity

86.2%; 99.5%;

Length 1608 Indels

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Gaps

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160

Conservative

2 Pred. Score 1395; Mismatches ŏ. 0 DB 24; 2;

Sequence 1608 BP;

402 A; 402 C; 417 G; 381 T; 6 other;

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The invention relates to 2175 novel human ovarian antigens (ABP41054-CC ABP4328) and to cDNAs encoding them (ABQ54131-ABQ56305), and also ce encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to recombinant vectors and host cells comprising human ovarian antigen coplynucleotides, antibodies against human ovarian antigen antigen polynucleotides and polypeptides in diagnosing, ct treating, prognosing or preventing various ovary and/or breast-related disorders. Such conditions include ovarian cancer and breast-related disorders (e.g., infertility, disorders of pregnancy, anovulation, cpolycystic ovary syndrome, ovarian or breast origin, reproductive system cdisorders, infections (e.g., chlamydia, HIV, toxoplasmosis, and toxic shock syndrome), inflammatory conditions (e.g., mastitis, oophoritis and conditions (e.g., chlamydia, HIV, toxoplasmosis, and toxic shock syndrome), inflammatory conditions (e.g., mastitis, oophoritis and conditions (e.g., anaemia), cardiovascular disorders, crespiratory disorders (e.g., anaemia), cardiovascular disorders, crespiratory disorders (e.g., anaemia), cardiovascular disorders and urinary system disorders. Ovarian antigen polypeptides and polypeptides and condition of individuals and in forensic analysis, and the condition of individuals and in forensic analysis, and the golypeptides may be used as food additives or to prepare antibodies cuseful in disease diagnosis, drug targeting and phenotyping. The present
                                     Note: The sequence data for this patent did not form specification, but was obtained in electronic format at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and
                                                                                                                                  useful in disease diagnosis, drug targeting and phenotyping. The sequence represents cDNA encoding a human ovarian antigen of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; SEQ ID No 111; 2922pp; English.
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antiinflammatory; gynaecological; reproductive; chromosome 2q21-22;
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Grimaldi
One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumou such as lung cancer, colon cancer, breast tumour, prostate tumour, tumour or liver tumour -
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The invention relates to one hundred and twenty two nucleic acids CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides cancode human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the proliferation of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABK33536-ABK33657 represent human crops of the invention.
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                                                                                   Human; cardiovascular; tumourigenic disorder; aberrant angiogenesis; gene therapy; aberrant vascularisation; artherosclerosis; ovarian cance; ischaemia/reperfusion injury; hypertension; arterial inflammation; psoriasis; endothelial cell disorder; diabetic retinopathy; restensis; myocardial infarction; Grave's disease; G protein coupled receptor; GPCR 4941; vasctropic; hypotensive; antiinflammatory; cytostatic; antiinflammatory; cytostatic;
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Best Local Similarity
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09-AUG-2000;
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DB; AAE11751.
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TTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 625
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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                                                                                                                                                                                                                                                                                                                                             AGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCG 1051
GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA
                                                                                                      CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAATCAGCC
                                                                                                                                                      GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG 1291
                                                                                                                                                                                           CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA
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                                                                                                                                                                                                                                            CAGCGACAGCGGCAGCACCAGCACC-TGCACGAACACCCGCGAAACTGCTGCGGAGGACA
                                                                                                                                                                                                                                                                  CAGCGACAGGGGGCAGCACCCTTGCACGAACACCCGGCGGAAACTGCTGCGAGGACA 1171
                                                                                                                                                                                                                                                                                                          GGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG 1111
                                       CTGGGCAGACACGAGCAGGAGGAGAGACAGAGAAAAGAAAAACACAGCATGAGAACACA 1411
                                                                                         CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC
                                                                                                                                          GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stolk JA,
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                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Page 194;
                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP; 182 A;
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99.78;
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Pred. No. 4.6e-164;
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                CC The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches cof the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate host cells. The current CC sequence represents the overlan carriance of 1000 cells.
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15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
           sequence
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                                                                                                                                                                                                                                                                                                                                                                                                             XU J.
STOLK J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer; cancer therapy; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               carcinoma
           represents
                                                                                                                                                                                                                                                     Page 125;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence
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2000US-0640173.
2000US-0656668.
2000US-0713550.
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           ovarian carcinoma
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           EST clone
           nucleotide
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                                                                                                    Human ovarian cancer related DNA clone SEQ ID NO:10876.
 26-MAY-2000;
                  29-MAY-2001; 2001WO-US17756.
                                                  WO200192581-A2
                                                                                                                     17-MAY-2002
                                                                                                                                                      ABL87898 standard; DNA; 625
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                                                                                                                                                                                                         GACAGTGTAAAAAAAAAAAAAAAAAAA 1617
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                                                                                                                                                                                                                                                                                                                                                                                                           GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG 299
                                                                                                                                                                                                                                                                                                                                                                                                                    GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAG 129:
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                                                                                                                                                                                                                                                                                                                                        CCATGATCCTCCGAATCTGGGTTGGGCCATCCAGCATACGGCCAATGTCACAACAATCAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                           CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGGA 239
                                                                                   ovarian
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                                                                                                                     (first entry)
 2000US-207484P
                                                                                    cancer; ovarian tumour;
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99.78;

    Mismatches

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Pred. No. 4.6e-164; ...
                                                                                   cytostatic; gene;
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The present invention describes a composition (I) comprising: carriers can dimmunostimulants; and a polypeptide (II) having a cDNA sequence (C polypeptide encoded by a polypucleotide (II) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in Abl/7023 to compulation of (II) or antigen presenting cells that express (II). (C (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (C) has cytostatic activity. An oligonucleotide (IV) that hybridises to contacting a biological sample from a patient with (IV), detecting the contacting a biological sample from a patient with (IV), detecting the amount of polypucleotide hybridising to (IV) and comprises camput of predetermined cutoff value and thereby detecting ovarian cancer in the C aptient, where the amount of polypucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising C (II) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells (C with (III) or (II), (III) is useful in design and preparation of cutoble library e.g., a tumour cDNA library using well known and contacting the mount contacting to (IV) and contacting T cells (IV) and the contacting T cells (IV) an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide.
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Sequence 625 BP; 182 A; 144 C; 182 G; 116 T; 1 other;

Query Match 992 AGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCG 1051 Local Similarity es 624; Conserv AGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGCGAAGAGCCAACGGGCGCTGCACAAAGCG Conservative 37.9%; 99.7%; 0; Score 613; DB 24; Length 625; Pred. No. 4.6e-164; Mismatches Indels <u>,,</u> Gaps 60 ۳.

CAGCGACAGGCGGCAGCACACCACC-TGCACGAACACCCGGCGAAACTGCTGCGAGGACA 179 CAGCGACAGGCGCAGCACCAGCACCTTGCACGAACACCCGGCGAAACTGCTGCGAGGACA 1171

CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCCGAGAAAGGGGA 1231 239

GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG 1291 299

CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG

CCATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC 1351 359

CTGGGCAGACACGAGCAGGAGGGAGAGACAGAGAAAAAGAAAACACAGCATGAGAACACA 1411

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Search completed: November 7, 2002, 10:10:30 Job time: 329.774 secs

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Post-processing: Minimum Match 0%
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Listing first 45 summaries
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Maximum DB seq length: 200000000
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1: /cgn2_6/ptodata/1

2: /cgn2_6/ptodata/1

3: /cgn2_6/ptodata/1

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6: /cgn2_6/ptodata/1
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        /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
/cgn2_6/ptodata/1/ina/5B_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
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/cgn2_6/ptodata/1/ina/FCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/Packfiles1.seq:*
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US-08-153-848-39
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PCT-US93-111.53-39
US-08-232-463-14
US-09-200-90-3
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US-09-200-90-3
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US-09-088-680-12
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US-09-188-680-12
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US-09-188-680-11
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39, Appl
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ALIGNMENTS	US-09-083-352-1 US-09-083-352-1 US-08-993-088A-6 US-08-993-088A-6 US-08-993-088A-5 US-08-993-088A-5 US-08-975-882-3 US-08-775-882-3 US-08-775-882-3 US-08-775-882-5 US-08-977-433-2 US-08-977-433-2 US-08-78-892-1 US-08-78-372-1 US-08-78-372-1 US-08-993-372-2 US-08-993-340-5	
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US-08-232-463-14
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US-08-232-463-14
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Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOMLPOX VIRUS
NUMBER OF SEQUENCES: 52
                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Vei
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BERT, Stephen A.
REGISTRATION NUMBER: 29,768
                                        IMMEDIATE SOURCE:
                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: VA
COUNTRY: USA
ZIP: 22313-0299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 1800 Diag
                                                                                 LENGTH: 7218 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                               TOPOLOGY:
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                                                               linear
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Query Match

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US-08-153-848-39/c
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                                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
SEQUENCE CHARACTERISTICS:
LENGTH: 1872 base pair
                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC.DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1422 YYYYYYYYYYYYGTACCAAAT 1443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FITLE OF INVENTION: No. 5759804el Seven Transmembrane Receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 530 TCTCTTTTGTTCCTGTGCAAAT 551
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            350 GGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGC 409
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   230 TACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACC 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    170 GGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGG 229
                                                                                                                        NAME: No. 5759804and, Greta
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                   CLASSIFICATION: 514
                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAACCCCCCACC 469
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gray, Patrick W.
Schweikart, Vicki L.
                                                                                                                                                                                                                                                                                                                                                                                                                               USA
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GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/088,337
FILING DATE: 01-JUN-1998
                                 REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
                                                                                        FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Jill E. Uhl
                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: No. 6107475el Seven Transmembrane Receptors
                                                                                                                                                                FILING DATE: 17-NOV-PRIOR APPLICATION DATA:
                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1041
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1323
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1161 GCAGGCCTGGCGGAAGCGGGGGTCGAAAAAGGCATAGAGGAAGGGGTTGAGGCAGCTGTT 1102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1143 GAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCT 1202
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TOPOLOGY: linear
                                                                                                                           APPLICATION NUMBER: US 07/977,452 FILING DATE: 17-NOV-1992
                                                                                                                                                                                    APPLICATION NUMBER: US 0: FILING DATE: 17-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 6300 S
               TELEPHONE:
                                                                        REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6300 Sears Tower, 233 South Wacker Drive
(312) 474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
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202..1341
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               (312) 474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                               Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3.1%;
                                                                                                                                                                                                     US 08/153,848
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                                                                  43,213
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                                                    27866/32059B
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Pred. No. 0.00019;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                             PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/153,848
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NO. 6348574and, Greta E.
REGISTRATION NUMBER: 335,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Godíska, Ronald
Gray, Patrick W.
Schwelkart, Vicki L.
TITLE OF INVENTION: NO. 6348574e.
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
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nes 110; Conserv
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LOCATION: 202
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                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/088,337B
FILING DATE: 01-Jun-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Chicago
STATE: Illinois
                  TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 6300 Sears Tower, 233 South Wacker Drive
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(312)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6348574el Seven Transmembrane Receptors
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Pred. No. 0.00019;
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Matches 110; Conserv
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                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 1-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOLand, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEPAX: (312) 474-6300
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 1872 base pairs
                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: bocc
CITY: Chicago
TMATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
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                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA
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  TELEFAX: (J-107)
TELEFAX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             981
                                                                                                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Marshall, O'Toole, ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP:
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LOCATION:
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Godiska, Ronald
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202..1341
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Pred. No. 0.00019;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gerstein, Murray &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39:
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RESULT 6
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Sequence 16, Application US/08232463
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Best Local Similarity
Matches 110; Conserv
                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1143 GAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCT 1202
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LENGTH: 1872 base pairs
                                                                      REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
                                                                                                                                               FILING DATE: 26-AUG-1991 ATTORNEY/AGENT INFORMATION: NAME: BENT, Stephen A.
                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                         APPLICATION NUMBER:
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                               TELEFAX: (/vo
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                                                                                                                          NAME: BENT, Stephen A. REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
ZIP: 22313-0299
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LOCATION: 202..1341
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                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/232,463
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                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
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1800 Diagonal Road,
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VENTION: RECOMBINANT FOWLPOX VIRUS
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                                                      (703)683-4109
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Pred. No. 0.00019;
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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(289)
; OTHER INFORMATION: n = A,T,C or G
US-09-007-005-17
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Best Local Similarity
Watches 11; Conserva
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
   Matches
                     Query Match
Best Local 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Roberts, Richard W.
APPLICANT: Liu, Rihe
TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
TITLE OF INVENTION: FUSIONS
FILE REFERENCE: 00786/350003
                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/007,005B CURRENT FILING DATE: 1998-01-14 EARLIER APPLICATION NUMBER: 60/035,963 EARLIER FILING DATE: 1997-01-27 EARLIER APPLICATION NUMBER: 60/064,491
                                                                                                                                                                                                                                                                                                                             EARLIER FILING DATE: 1997-11-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Szostak, Jack W
                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                       OTHER INFORMATION: Translation template
                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                  ENGTH: 289
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TOPOLOGY: line
IMMEDIATE SOURCE:
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 Local Similarity
mes 23; Conserv
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EDNESS: single
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2.8%; Score 46; DB 4; Le nilarity 9.3%; Pred. No. 0.00093; Conservative 103; Mismatches 120;
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1153 CGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAA 1212

1393 AACACA 1398

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APPLICANT: SZOSTAK, Jack W.

APPLICANT: Roberts, Richard W.

APPLICANT: Liu, Rihe

TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN

TITLE OF INVENTION: FUSIONS

FILE REFERENCE: 00786/350007

CURRENT APPLICATION NUMBER: US/09/244,796

CURRENT FILING DATE: 1999-02-05

EARLIER APPLICATION NUMBER: 60/035,963

EARLIER APPLICATION NUMBER: 60/064,491

EARLIER APPLICATION NUMBER: 09/007,005

EARLIER FILING DATE: 1997-11-06

EARLIER FILING DATE: 1998-01-14

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LENGTH: 289
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LOCATION: (1)...(289)
OTHER INFORMATION: n = A,T,C or G
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Translation template
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                                          1333 AATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAAGAAA 1392
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1393 AACACA 1398
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2.8%; Score 46; DB 4; Length 289;
Local Similarity 9.3%; Pred. No. 0.00093;
nes 23; Conservative 103; Mismatches 120; Indels
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Best Local Similarity
Matches 110; Conserv
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TYPE: DNA
ORGANISM: human
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SOFTWARE: FastSEQ for Windows Version 3.0
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                           SOFTWARE: FBSESEQ for Windows Version CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,399
FILING DATE: 02-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Bergsma, Derk APPLICANT: Shabon, Usman TITLE OF INVENTION: NOVEL
                                                                                                                                                                                                                COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           877 GCAGCCAGCAGATGACATACATGACCACGATGGCTCCAGG 838
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                                                                                                                                             COMPUTER: IBM CONTROL OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                           STREET: 709 Swederand
CITY: King of Prussia
                                                                                                                                                                                             MEDIUM TYPE:
                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                       STATE:
                                                                                                                                                                                                                                                                                                                           ADDRESSEE: SmithKline Beecham Corporation STREET: 709 Swedeland Road
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                                                                                                                                                                                                                                                                                                                                                                                                         NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE
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Patent No. 6166182
GENERAL INFORMATION:
APPLICANT: Derk J. Bergsma
APPLICANT: Usman Shabon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 1
                                                                                                                                                                 Matches 106; Conservative
                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
TITLE OF INVENTION: AND SPLICE VARIANTS THEROF
FILE REFERENCE: GH-50020-1
CURRENT APPLICATION NUMBER: US/09/372,498
CURRENT FILING DATE: 1999-08-11
PRIOR APPLICATION NUMBER: 08/832,399
PRIOR FILING DATE: 1997-04-02
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                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: HOMO SAPIENS
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LENGTH: 1342 base pair
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                                                                                                                                                                                                                                                                                                                GENGTH: 1342
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                      1196 CCGAGCTGAGGTAGAAAAACGTCTCCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
                                                                                                                       1136 CTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
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                                                                                   / Match 2.7%; Score 43; DB 3; Length 1342; Local Similarity 50.2%; Pred. No. 0.017;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER:
  833 CTGAGCTGACGTAGAAAAGTGTGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 774
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                                                                                                                                                                                       Match 2.7%;
Local Similarity 50.2%;
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                                                                                                                                                                 0; Mismatches 105; Indels
                                                                                                                                                                                     Score 43; DB 4; Length 1342; Pred. No. 0.017;
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US-08-858-876A-1/c
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                                                                                                                                                                                                                         Matches 106;
                                                                                                                                                                                                                                         Query Match 2.7%;
Best Local Similarity 50.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO:
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APPLICATION NUMBER: PCT/
FILING DATE: 17-MAR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Type 2 Neurotensin Receptor TITLE OF INVENTION: (hNT-R2)
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                                                                                         1196 CCGAGCTGAGGTAGAAAAACGTCTCCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: Player, William E.
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                                                                                                                                              1150 CTTCCAGGAAGAGTTTTCTGAAGGAGGAGGACACGGCGTTGTAGAGAAGAGGAGTCACAG 1091
                                                                                                                                                                                    1136 CTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
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1030 GTGGGTCAGTCCACGCGTCATCAGGTACGTAGCAGTACATGAGCCTGCGGGCATGGTACG 971
                                 1256 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                                                       1090 CTGAGCTGACGTAGAAAAGTGTGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 1031
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OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                        NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                              ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: single
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Pascual FERRARA
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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US-09-472-880-1/c
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APPLICANT: Daniel CAPUT
                                                                                                                                                                                                                                                                                                                                                Matches 106;
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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NAME: Player, William E.
REGISTRATION NUMBER: 31,049
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
                          1316 GCATCCAGCATACGGCCAATGTCACAACAAT 1346
                                                                                                                                                                                                                                                                                                1136 CTTGCACGAACACCCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
                                                                                1030 GTGGGTCAGTCCACGCGTCATCAGGTACGTAGCAGTACATGAGCCTGCGGGCATGGTACG
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970 GCAGCCAGCAGATGACATACATGACCACGAT 940
                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
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APPLICATION NUMBER: US/09/472,880
FILING DATE: 28-Dec-1999
CLASSIFICATION: -Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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ADDRESSEE: Jacobson, Price, Holman & Stern,
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NUMBER OF SEQUENCES: 12
CORRESPONDENCE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: cDNA
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                                                                                                                           AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                                                                                                                                                   CTGAGCTGACGTAGAAAAGTGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 1031
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25 (EPO)
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STRANDEDNESS: single
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FILING DATE: 17-MAR-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 1575 base pairs
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Pascual FERRARA
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                                                                                                                                                                                                                                                                                                                                                                 2.7%;
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37..1266
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US-08-499-215-1/c
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US-09-200-090-1/c
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GENERAL INFORMATION:
APPLICANT: Strand, Joann
APPLICANT: Hadcock, John R.
APPLICANT: Hadcock, John R.
TITLE OF INVENTION: No. 6420137el cDNA Encoding The Long and Short
TITLE OF INVENTION: Forms of The Human Neurotensin Subtype 2 Receptor
FILE REFERENCE: 0630/0E792
FILE REFERENCE: 0630/0E792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1, Application US/08499215 Patent No. 5612204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 2.6%;
Best Local Similarity 49.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 1233
TYPE: DNA
ORGANISM: Human
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CURRENT FILING DATE: 1998-11-25
NUMBER OF SEQ ID NOS: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP Hei-6-179689
FILING DATE: 08-JUL-1994
                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ver
SOFTWARE: & WOOTGPERFECT VERSION 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1136 CTTGCACGAACACCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1114 CTTCCAGGAAGAGTTTTCTGAAGGAGGAGGACACGGCGTTGTAGAGAAGAGGAGTCACAG 1055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Saeki, Hisashi
APPLICANT: Miura, Akira
TITLE OF INVENTION: BIOLOGICAL DEGRADATIVE
TITLE OF INVENTION: TREATMENT OF CHLORINE-SUBSTITUTED ETHYLENE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1316 GCATCCAGCATACGGCCAATGTCACAACAAT 1346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1054 CTGAGCTGACGTAGAAAAGTATGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 995
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                                                                                                                                                                                                                                                                                                                                                                                                         CITY: N.W.
STATE: Was
                                                                                        CLASSIFICATION: 435
                                                                                                                   APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                      ZIP: 20037-3202
                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
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Search completed: November 7, 2002, 15:58:56 Job time: 97.6676 secs
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OTHER INFORMATION: /product= "amod"

US-08-499-215-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 2.4%; Score 39; DB 1; Length 6379; Best Local Similarity 49.8%; Pred. No. 0.59; Matches 125; Conservative 0; Mismatches 125; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6379 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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NAME/KBY: CDS
LOCATION: 910..1935
OTHER INFORMATION: /product= "amoa"
                                                                                1294 GCCAGGCGGCGTAGGACCTGGCGAGGATCTTCTGCGACCAGATGGGCGTGATCGCCGCCG 1235
                                                                                                                                                                                                                                                1354 CGGACATGGCCTGGCGCACGGCGTAGGCCAGGCTCAGGAAGAGCCCCGTACTCGACGAATG 1295
                                                                                                                        1289 CAGCCATGATC 1299
                                                                                                                                                                                         1229 GGAGGAGCATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTTGGGTTTGGGCG 1288
                                                                                                                                                                                                                                                                         1169 ACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGG 1228
                                                                                                                                                                                                                                                                                                                                   1413 GTCCTGGAGCAGCCGCATGCGGTCCA-CGGCCTGGAACACCACGCTGAACTGGACCGTGT 1355
                                                                                                                                                                                                                                                                                                                                                                1109 CTGCAGCGACAGGCGGCACACCACCTTGCACGAAACACCCGCCGAAACTGCTGCGAGG 1168
                                                                                                                                                                                                                                                                                                                                                                                                                     1473 GCGGGCCCCGGCGTCGCTGAATTCCGGCGACTCCTGCAGGTGGTCCAGGTGGTGGACGAT 1414
                                                                                                                                                                                                                                                                                                                                                                                                                                           1049 GCGGGCGCTGTCGGTGGAGTGCGCATGTACGCCCAGGCGCTTCTCGTGGTTGGCGTG 1108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
STRAIN: NO. 5612204ardia corallina B-276 (FERM P-4094; FERM
STRAIN: BP-5124; ATCC 31338)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: CDS
LOCATION: 2300..3802
OTHER INFORMATION: /product= "amoc"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: CDS
LOCATION: 1935..2285
OTHER INFORMATION: /product= "amob"
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Database
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                               Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OM nucleic - nucleic search, using sw model
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Perfect score:
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1619
1 ggra-
      320260 seqs, 177392727 residues
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                                                                                                                                                                                                                                                                                                    Published_Applications_NA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GenCore version 5.1.3 Copyright (c) 1993 - 2002 Compugen Ltd.
/cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
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/cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
                                                                                                                                                                   /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
/cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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/cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

c 18	c 15 13	c 8 10 11 11	0	Regult No.
197.8 171.2 50	362 354 330.8 310.2	424.2 396.4 388.4 377.4 365.4	1619 1619 1606.2 613 613 497.6	Score
10.6	22.4 21.9 20.4	224.5 223.3 22.6	100.0 100.0 99.2 37.9 37.9 37.9	% Query Match
480 201 1464	396 381 349	558 409 1010 430 369 373	1619 1619 1897 625 625	Length
		10010		DB
US-09-825-294-213 US-09-867-701-8894 US-09-149-045-1	US-09-825-294-9 US-09-867-701-1532 US-09-867-701-7826 US-09-867-701-2409	US-09-867-701-2375 US-09-867-701-4240 US-09-825-294-212 US-09-867-701-4251 US-09-825-294-199 US-09-867-701-1516	US-09-825-294-205 US-09-825-294-211 US-09-825-294-214 US-09-825-294-210 US-09-867-701-10876 US-09-867-294-208	ID
Sequence 213, Sequence 8894, Sequence 1, Ap		Sequence 2375, Ap Sequence 4240, App Sequence 212, App Sequence 4251, App Sequence 199, App Sequence 1516, Ap	Sequence 205, A Sequence 211, A Sequence 214, A Sequence 210, A Sequence 10876, Sequence 208, A	Description
213, App 8894, Ap 1, Appli	PP11	App App App App App	App App App App App App App	

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34.6	34.6	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35	35.4	35.8	36	36	36	36.8	36.8	37.2	39.6	40	40	40
2.1	2.1	2.1	2.1			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.5	ر ا	۷.
1368	425	396	227	30352	1619	624	597	582	503	495	466	466	1137	3007	21860	3977	3977	371	628	488	1743	332	32207	32177	2030
10	10	10	10	10	10	10	10	10	10	10	12	10	12	10	10	10	10	10	10	10	10	10	10	10	Ţ
US-09-834-975-825	US-09-960-352-1711	US-09-825-294-25	US-09-880-107-2970	US-09-764-869-1768	US-09-925-300-746	US-09-804-551B-41	US-09-777-564-589	US-09-998-598-309	US-09-998-598-1030	US-09-998-598-1084	US-10-033-528-1456	US-09-920-300A-1456	US-10-037-616-3	US-09-795-006A-148	US-09-764-877-3803	US-09-764-869-2001	US-09-764-869-1999	US-09-969-347-117	US-09-770-149-714	US-09-924-035A-347	US-09-925-301-541	US-09-867-701-9973	US-09-764-877-3250	US-09-764-877-3251	70C-00C
Sequence 825, App	Sequence 1711, Ap	Sequence 25, Appl	Sequence 2970, Ap		Sequence 746, App	Sequence 41, Appl	Sequence 589, App	Sequence 309, App	Sequence 1030, Ap	Sequence 1084, Ap	Sequence 1456, Ap	Sequence 1456, Ap	Sequence 3, Appl1	Sequence 148, App	Sequence 3803, Ap	Sequence 2001, Ap	Sequence 1999, Ap	Sequence 117, App	Sequence 714, App	`	Sequence 541, App	~	Sequence 3250, Ap	Sequence 3251, Ap	sequence I/, Appr

ALIGNMENTS

RESULT 1

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; SEQ ID NO 205
LENGTH: 1619
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-825-294-205
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C5
                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
121 GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                    1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
                                                                      GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                                                                                                                                                               Mismatches
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APPLICANT: W. Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Hing, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTMARE: FastSEQ for Windows Version 3.0
SEQ ID NO 211
LENGTH: 1619
TYPE: DNA
TYPE: DNA
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1140 1140	CICAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGCAGCACAGCACCTTGC 	0 0	B 5
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720 720	CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC	661	B 8
660	CAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 		p 09
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540 540	GTITCTICTGGGIGTCCTITTATICTGGGTAGGGAGCGGGAGICCGIGTTCTCTTTTGTT	4 8 1 4 8 1	Db Qy
480 480	CCACCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAACCCCCCACCTCCCTGAGTGA	421	P 03

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TYPE: DNA

CORGANISM: Homo sapiens
FEATURE:
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1897)
COTHER INFORMATION: n = A.
US-09-825-294-214
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Patent No. US20020004491A1
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C5
CURRENT FILING DATE: 2001-04-03
UNMBER OF SEQ ID NOS: 215

NUMBER OF SEQ ID NOS: 215
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CAGCTTCTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGG 1560
                                                                                                                      CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGGACTTGA 1500
                                                                                                                                                                               AGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTAG
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; ORGANISM: Homo sapiens
; FEATURE;
; NAME/KEY: misc_feature
; LOCATION: (1)...(625)
; OTHER INFORMATION: n = A
US-09-825-294-210
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SEQ ID NO 210
LENGTH: 625
TYPE: DNA
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APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
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 GACAGTGTAAAAAAAAAAAAAAAAAA 1617
                           CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 10876
LENGTH: 625
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 607
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Patent No. US20020132237A1
GENERAL INFORMATION:
APPLICANT: Aglatte, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
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                  TAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAAGACCATTAAATGCTTTA 1591
                                                                           GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1471
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    TAACACTGTTTCAAACCCGGGGGGGTTGGCTGTGTTAAAGAAGACCATTAAATGCTTTA
                                                             CTGGGCAGACACGAGCAGGAGGAGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACA 141:
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Pred. No. 2.2e-164;
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US-09-867-701-2375
; Sequence 2375, Application
; Patent No. US20020132237A1
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; TYPE: DNA; Homo sapiens US-09-825-294-208
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LENGTH: 1362
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CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
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Local Similarity 99.0%;
es 511; Conservat(...
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                                                                                                      TCCAGTCGTGCTTGGGTTTGGGCCGCAGCCATGATCCTCGGATCTGGGTTGGGCATCCAGC
                                                                                                                                                                                                                                                     GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
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ATACGGCCAATGTCACAACAATCAGCCTCAGGAAGA
                                                                                TCCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC
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GENERAL INFORMATION:

US/09867701

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RESULT 8
US-09-867-701-4240/c
US-09-867-701-4240/c
; Sequence 4240, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
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; LOCATION: (1)...(558)
; OTHER INFORMATION: n = A,T,C
US-09-867-701-2375
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CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2375
LENGTH: 558
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Best Local S
APPLICANT: Aglate, Paul A. APPLICANT: Jones, Robert APPLICANT: Harlocker, Sus
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                                                                                                                                                                                                             ACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGG
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 Harlocker, Susan
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Pred. No. 9.1e-111;
0; Mismatches 19;
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-4240
                                                                                                          US-09-825-294-212
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CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4240
                                                                                                                       SEQ ID NO 212
LENGTH: 1010
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 212, Application US/09825294 Patent No. US20020004491A1
                                                   Query Match
Best Local
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Best Local
                                    Matches
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APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIA:
FILE REFERENCE: 210121.484C5
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                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/825, 
CURRENT FILING DATE: 2001-04-03 
NUMBER OF SEQ ID NOS: 215 
SOFTWARE: FastSEQ for Windows Version
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                                                 Local
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 GGCAACTTTTTGCGGATTGTTCTTGCTTCC - AGGCTTTGCGCTGCAAATCCAGTGCTACC 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT
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08; Conservative
                                                   Similarity
                                  Conservative
                                                   24.0%;
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99.5%;
                                 Score 388.4; DB 10
Pred. No. 2e-100;
0; Mismatches 31;
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Pred. No. 5.9e-103;
0; Mismatches 1;
                                                                    DB 10;
                                                                                                                                                                                                                                                                                      OVARIAN CANCER
                                    Indels
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APPLICANT: Aglate, Paul A.

APPLICANT: Tones, Robert
APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTMARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 4251
LENGTH: 430
                                                                                                                                                                                                                                                                                                        ; TYPE: DNA ; ORGANISM: Homo sapien US-09-867-701-4251
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US-09-867-701-4251
                                                                                                                                                                                                                        uest Local Similarity 96.3%;
Matches 419; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 4251, Application US/09867701 Patent No. US20020132237A1
                                                            365
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                                                                                                                                                                   CCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACC 364
                                                                                          CAAGG----CAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGG-CAGGGCTCCGCACCACC 116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CGGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGT
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                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                  Score 377.4; DB 10; Pred. No. 1.5e-97;
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                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                   Length 430;
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APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTMARE: FastSEQ for Windows Version 3.0
SEQ ID NO 199
LENGTH: 369
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; OTHER INFORMATION: n = A,T,C or
US-09-825-294-199
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                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Homo sapiens
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                  301 CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCCAGGGCTCCGCAC
                                                                     241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCTGCAACACCCCCTCTTTGTAA
                                                                                                                                         181 CCGCAAGTCCTGTGCATCAGCAGCCGTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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es 366; Conserv
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                                                                                                                       CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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Pred. No. 3.6e-94;
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Sequence 9, Application US/09825294
Patent No. US20020004491A1
GENERRAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
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SEQ ID NO 1516
LENGTH: 373
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Best Local
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APPLICANT: Jones, Robert
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
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                                                                                                                                                                                                                                                                                          AACACAGTAAATGAATAAAACCATAAAATTTTAGCCCCTCTGTTCTGTGCTTACTGGCC 1465
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LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(396)
; OTHER INFORMATION: n = A,T,C ol
US-09-825-294-9
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US-09-867-701-1532
                                                                                              SEQ ID NO 1532
LENGTH: 390
TYPE: DNA
                                                                                                                                                                                                                                                                                                                           Sequence 1532, Application Patent No. US20020132237A1 GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 9
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                                                                                                                                                                                   APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
                                                                                                                                                  NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
       NAME/KEY: misc_feature LOCATION: (1)...(390) OTHER INFORMATION: n =
                                                                 ORGANISM: Homo sapien FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      371
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97.7%;
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Pred. No. 3.5e-93;
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21.98;

Score 354;

DB 10;

Length

Local Similarity

98.78;

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APPLICANT: Aglate, Paul A.

APPLICANT: Aglate, Paul A.

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT EILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7826

LENGTH: 381

TYPE: DNA

ORGANISM: Homo sapien

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                                                                                                                                                                                                                             Ouery Match 20.4%; Score 330.8; DB 10; Length 381; Best Local Similarity 98.4%; Pred. No. 2.5e-84; Matches 376; Conservative 0; Mismatches 2; Indels 4;
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                                                                        TGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCG 1025
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                                                        TGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCG
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361 GTAG-AAAACGTCTCCGAGAAG 381
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                                                                    CACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG 1205
                                                       CACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG
                                                                                                           AGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGCCACGACAGCACC-TGCACGAA 300
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Search completed: November Job time: 80.3601 secs 7, 2002, 18:00:15

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Maximum DB seq length: 200000000
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Pending_Patents_NA_Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

1 2 3 3 4 4 4 4 4 6 5 6 6 7 7 7 11 11 11 11 11 11 11 11 11 11 11	Result
1619 1619 1619 1619 1619 1619 1619 1619	Score
100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	Query
1619 1619 1619 1619 1619 1619 1619 1619	Length
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PCT-USO1-45395-205 PCT-USO1-45395-211 US-09-713-550-205 US-09-825-294-201 US-09-825-294-211 US-09-970-966-211 US-10-212-677-205 US-10-212-677-205 US-10-212-677-214 US-10-212-677-214 US-09-8025-294-214 US-09-8025-294-214 US-09-803-29564-16 PCT-USO2-29964-16 US-09-970-026-214 US-09-970-026-214 US-09-970-22964-16 US-09-988-383-4454 US-09-652-121-7293	ID
Sequence 205, App Sequence 211, App Sequence 205, App Sequence 211, App Sequence 214, App Sequence 21454, App Sequence 2156, App Sequence 21566, App Sequence 21566, App Sequence 215666, App Sequence 215666666666666666666666666666666666666	Description

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RESULT 1
PCT-US01-45395-205

Sequence 205, Application PC/TUS0145395

GENERAL INFORMATION:
APPLICANT: Corixa Corporation
APPLICANT: Xu, Jiangchun
APPLICANT: Xtolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
APPLICANT: Molesh, David Alan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.48401PC
CURRENT APPLICATION HOMBER: PCT/US01/45395
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 205
SEQ ID NO 205
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; ORGANISM: HOMO
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Sequence 197, Appl
Sequence 38, Appl
Sequence 2414, Ap
Sequence 2415, Ap
Sequence 215, Ap
Sequence 7185, Ap
Sequence 9077, Ap
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APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Fling, Steven P.

APPLICANT: Molesh, David Alan

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.48401PC

CURRENT APPLICATION NUMBER: PCT/US01/45395

CURRENT APPLICATION NUMBER: PCT/US01/45395

CURRENT FILING DATE: 2001-11-13

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 211

LENGTH: 1619

TYPE: DNA

ORGANISM: Homo Sapiens

PCT-US01-45395-211

100 03: Score 1619; DB 1; Length 161
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PCT-US01-45395-211
Sequence 211, Application PC/TUS0145395
GENERAL INFORMATION:
APPLICANT: Corixa Corporation
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
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CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG
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                                                               CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCCAGGGCTCCGCAC
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APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

FITTLE OF INVENTION: COMPOSITIONS AND METHODS FOI

FILE REFERENCE: 210121.484C4

CURRENT APPLICATION NUMBER: US/09/713,550

CURRENT FILING DATE: 2000-11-14

NUMBER OF SEQ ID NOS: 205

SOFTWARE: FastSEQ for Windows Version 3.0

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RESULT 4
US-09-05-294-205
; Sequence 205, Application US/09825294
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

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; APPLICANT: Stolk, John A.
; APPLICANT: Algate, Paul A.
; APPLICANT: Tilng, Steven P.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN C.FILE REFERENCE: 210121.484C5
; CURRENT APPLICATION NUMBER: US/09/825,294
; CURRENT FILING DATE: 2001-04-03
; NUMBER OF SEQ ID NOS: 215
; SOFTMARE: FastSEQ for Windows Version 3.0
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN C.
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOPTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 211
LENGTH: 1619
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APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
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SOFTWARE: FastSEQ for
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APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Y. Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
NUMBER OF SEQ ID NOS: 215
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TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C7
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 288
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: Xu, Jiangchun
APPLICANT: Fanger, Gary 1
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APPLICANT: Xu, Jiangchun
APPLICANT: Xu, Jiangchun
APPLICANT: Harlocker, Gary R.
APPLICANT: Harlocker, Susan L.
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APPLICANT: However, Susan L.
APPLICANT: COMPOSITIONS AND METHODS FOR THE THE TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 2012.1.484C7
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 288
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 211
LENGTH: 1619
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Sequence 214, Application PC/TUS0145395 GENERAL INFORMATION:

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APPLICANT: Hing, Steven P.
APPLICANT: Molesh, David Alan
APPLICANT: Molesh, David Alan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
TILE REFERENCE: 210121.48401PC
CURRENT APPLICATION NUMBER: PCT/US01/45395
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
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                                                    TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
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Pred. No. 0;
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RESULT 11
US-09-825-294-214
; Sequence 214 Application US
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Stolk, John A.
; APPLICANT: Fling, Steven I
; TITLE OF INVENTION: COMPOS:
; TITLE OF INFENTION THERAL
; FILE REFERENCE: 210121.4844
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 APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
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Score 1606.2; Pred. No. 0;

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Length 1897;

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; TYPE: DNA
; ORGANISM: HOMO
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                                           NUMBER OF SEQ ID NOS: 215
SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 214
LENGTH: 1897
                                                                                                                                                                                                                                         Sequence 214, Application US/09970966 GENERAL INFORMATION:
                                                                                                 APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
                                                                                                                                                                                                           APPLICANT: Stolk, John A. APPLICANT: Molesh, David
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Mar Do	APPLICANT: Chenault, Ruth A. APPLICANT: Xu, Jiangchun APPLICANT: Hanger, Gary R. APPLICANT: Harlocker, Susan L. APPLICANT: Harlocker, Susan L. APPLICANT: McNeill, Patricia D. TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 210121.484C7 CURRENT APPLICATION NUMBER: US/10/212,677 CURRENT FILING DATE: 2002-08-02 NUMBER OF SEQ ID NOS: 288 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 214 LENGTH: 1897 TYPE: DNA	Db 1779 CAGCTTCTTTTGCCACAAGCAAGAATTTAACACTGTTTCAAACCCGGGGAGTTGG 1838 Qy 1561 CTGTGTTAAAGAAGACCATTAAATGCTTTAGACAGTGTAAAAAAAA	Qy 1381 AGAGAAAAGACACAGGATGAGAACACAGTAAAATGAATATATTTAG 1440	Db 1479 CTGAGGTAGAAAACGTCTCCGAGAAGGGGAGGAGATCATGTACGCCCGGAAGTAGACCATCTCCGAGAAGAGGGAAGAGAGAG	Qy 1021 ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGCGCTGTCGGTGGAGTGCGCATGTA 1080
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GENERAL INFORMATIO
APPLICANT: Tang,
PRIOR
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IOR APPLICATION NUMBER: US 09/488,725
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OR APPLICATION NUMBER: PCT/US00/35017
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         OR FILING DATE: 2001-01-25
OR APPLICATION NUMBER: US 09/496,914
OR FILING DATE: 2000-02-03
OR APPLICATION NUMBER: US 09/560,875
OR FILING DATE: 2000-04-27
OR APPLICATION NUMBER: PCT/US01/03800
OR FILING DATE: 2001-02-05
                                                                                                        APPLICATION NUMBER: US 09/491,404 FILING DATE: 2000-01-25 APPLICATION NUMBER: PCT/US01/0262
APPLICATION
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INVENTION: Novel Nucleic Acids
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Xue, Aidong J.
Wang, Dunrui
Ghosh, Malabika
Asundi, Vinod
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Zhang, Jie
Zhao, Qing A.
Wang, Jian-Rui
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Goodrich, Ryle
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           NUMBER: PCT/US01/03800
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NUMBER OF SEQ ID NOS: 992
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CURRENT APPLICATION NUMBER: US/09/397,022
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/106,443
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/132,099
PRIOR APPLICATION NUMBER: 60/132,099
                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                              Sequence 4454, Application US/09397022
                                                                                                                                                                   APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED
TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY
FILE REFERENCE: MLN98-46PM
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          ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
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Search completed: November 7, 2002, 17:54:32 Job time : 3636.85 secs

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ALIGNMENTS

US-10-230-437-15 RESULT 1

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; TYPE: DNA
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US-10-230-437-15
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PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR PPLICATION NUMBER: 60/062287
PRIOR PPLICATION NUMBER: 60/063349
PRIOR PPLICATION NUMBER: 60/064103
PRIOR PPLICATION NUMBER: 60/064103
PRIOR PPLICATION NUMBER: 60/069873
PRIOR PPLICATION NUMBER: 60/069873
PRIOR PPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR PILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079656
                                                                                  Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
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APPLICANT:
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APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C94
CURRENT APPLICATION NUMBER: US/10/230,437
CURRENT FILING DATE: 2002-08-28
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Grimaldi, J. Christopher
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Gerritsen, Mary
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                                    CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG
                                               CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG
                                                                                CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
                                                                                           CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
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                                                                                                                             ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
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; PRIOR APPLICATION NUMBER: 60/175,691
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/191,638
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 198
; SOFTMARE: FastSEQ for Windows Version 4.
; SEQ ID NO 38
; LENGTH: 2196
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GENERAL INFORMATION:
APPLICANT: Cravchik, Anibal
                                                                                                                                                                                                                                                                    Matches
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: CL000733CON
CURRENT APPLICATION NUMBER: US/10/270,333
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/168,677
PRIOR FILING DATE: 1999-12-03
PRIOR FILING DATE: 1999-12-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND USES
TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS
                                                                                                                                                                                                                                                                                                                                             LENGTH: 2196
TYPE: DNA
ORGANISM: Drosophila
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GCAGGCAGACGAAGAAGGACAGCACAA
                                                                                                                                                          AGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATCATGTACGCCCGGAAGTAGG
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                              TCCAGCATACGGCCAATGTCACAACAA 1345
                                                                 GATCGTGCAGTGTTTGGTCCGTGCTGAGGATGATCCACAGGGTGAGGACGCGGAAGGGCA
                                                                                                 ACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCA 1318
                                                                                                                                  AGTTGAGGTACAACATGATCCTACAGAAGTACAGCAAGCTGTAGTAGCGCACCAATCCCA 680
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FEATURE:

NAME/KEY: misc_feature

OTHER INFORMATION: Human extended sequence for VOG3_71

US-60-416-172-67
                                                                                                                                                                                        CURRENT FILING DATE: 2002-10-04
NUMBER OF SEQ ID NOS: 141
SOFTWARE: PatentIn version 3.1
SEQ ID NO 67
LENGTH: 667
TYPE: DNA
ORGANISM: Gallus gallus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 67, Application US/60416172 GENERAL INFORMATION:
                                                   Query Match
                                                                                                                                                                                                                                                                                                                                APPLICANT: Chang, Hwai Wen
APPLICANT: Felts, Katherine A.
APPLICANT: Warren, Amy J.
APPLICANT: Cooper, Judith R.
TITLE OF INVENTION: Genes from Human Cancer Cells and Human Tumors
FILE REFERENCE: 216019-153
CURRENT APPLICATION NUMBER: US/60/416,172
CURRENT FILIAG DATE: 2002-10-04
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       Matches 144; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/168,677
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/175,691
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/191,638
PRIOR FILING DATE: 2000-03-23
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TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND USES
TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS
FILE REFERENCE: CL000733CON
CURRENT APPLICATION NUMBER: US/10/270,333
CURRENT FILING DATE: 2002-10-15
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ORGANISM: Drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2625 GCAGGCAGACGAAGAAGGACAGCACAA 2599
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                        Match 2.48;
Local Similarity 47.78;
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49.8%; Pred. No. 0.13;
ative 0; Mismatches 104; Indels 0
  0; Mismatches
                        Score 38.8; DB Pred. No. 0.11;
                                              DB 7;
  157; Indels
                                              Length 667;
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TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,

TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND USES

TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS

FILE REFERENCE: CL000733CON

CURRENT APPLICATION NUMBER: US/10/270,333

CURRENT APPLICATION NUMBER: 00/168,677

PRIOR APPLICATION NUMBER: 60/168,677

PRIOR APPLICATION NUMBER: 60/175,691

PRIOR APPLICATION NUMBER: 60/191,638

PRIOR APPLICATION NUMBER: 60/191,638

PRIOR APPLICATION NUMBER: 60/191,638

PRIOR APPLICATION NUMBER: 60/191,638

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 198

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 116

LENGTH: 990
US-10-270-333-115

Sequence 115, Application US/10270333

GENERAL INFORMATION:

APPLICANT: CTRAVCHIK, Anibal

TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,

TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCB;

TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Drosophila
US-10-270-333-116
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                                                                                                                                                                                        RESULT 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Cravchik, Anibal
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                                                                                                                                                                                                                                                                                                                                                         972 GAAGGCCTTCCGGAAATTCTCGGAGAGGAAGGCGTAGAGCAGCGGATTGATACACGAGCT 913
                                                                                                                                                                                                                                                          912 GCTGTAGGCCAGAGTCTGGGCGGTGACCTGGATGACTAGCTTGGTGAGGGTGTTCGTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCTCCGAGAAGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCT 1276
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TCCTGGAGCAGAGGACAAGATGATCAAGGAGGGGAAGTACACCCCGGCCCGAGTACCACA 425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGTACGAGGACTTCATGGAGTGCATGCACCGCACCAAGCTGGCTCTGCGGTTGAAAAAGA 365
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 34.8; DI
Pred. No. 1.9;
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                             PROTEINS, AND USES
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FILE REFERENCE: CL000733CON CURRENT APPLICATION NUMBER: US/10/270,333

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TITLE OF INVENTION: Diagnosis of Diseases Associated with
TITLE OF INVENTION: Metastasis
FILE REFERENCE: 5013.1007
CURRENT APPLICATION UMBER: US/10/240,485
CURRENT FILING DATE: 2002-10-02
PRIOR APPLICATION UMBER: PCT/EP01/03970
PRIOR FILING DATE: 2001-04-06
PRIOR FILING DATE: 2001-04-06
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION UMBER: DE 10019058.8
PRIOR APPLICATION UMBER: DE 10019173.8
PRIOR APPLICATION UMBER: DE 10032529.7
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
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; Sequence 111, Application US/10240485

; GENERAL INFORMATION:
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; TYPE: DNA
; ORGANISM: Drosophila
US-10-270-333-115
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                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens) US-10-240-485-111
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PRIOR APPLICATION NUMBER: 60/168,677
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/175,691
PRIOR FILING DATE: 2000-01-12
PRIOR PPLICATION NUMBER: 60/191,638
PRIOR FILING DATE: 2000-03-23
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Best Local Similarity 55.9%;
Matches 66; Conservative
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                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 112; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 111
LENGTH: 15825
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE: 2000-09-01 NUMBER OF SEQ ID NOS: 202
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: DE 10043826.1
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                                                                  · 1278 ACCTAACTCTTCACATTTCTTCTATACATTAATAACTCAAACTACAAAATCTTTAACAAA 1219
                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1440 GCTGTAGGCCAGAGTCTGGGCGGGTGACCTGGATGACTAGCTTGGTGAGGGTGTTCGTC 1497
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                                                                                                                                                                1379 ACAGAGAAAAAGAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTT 1438
                    1499 GACAGCTTCTTTTGCCACAAGCAAGAGAAATTTAACACTGTTTCAAACCCGGGGGAGTT 1558
                                                                                                               AGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTT 1498
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Pred. No. 5.5;
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Pred. No. 11;
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US-10-270-377-1
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          CURRENT APPLICATION NUMBER: US/10/270,377
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 09/361,741
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: 09/461,418
PRIOR FILING DATE: 1999-11-18
PRIOR FILING DATE: 1999-11-18
PRIOR APPLICATION NUMBER: 08/411,607
PRIOR FILING DATE: 1995-04-11
                                                                                                                                                                            Sequence 1, Application US/10270377
GENERAL INFORMATION:
APPLICANT: Hudson, et al.
TITLE OF INVENTION: Prostatic Growth Factor
FILE REFERENCE: PF149D2
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SEQ ID NO 1585
LENGTH: 135259
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APPLICANT:
APPLICANT:
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PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
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CURRENT FILING DATE: 2002-09-30
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TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 86356 GACAGCTGATGTGTGCTCCAGGGGGAAAATGTGTAATGCTGAGACACACCCCAGTGAAGTT 86297
                                                                                                                                                                                                                                                                                                                                                                   86236 A 86236
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local
APPLICATION NUMBER: US94/14578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.1%;
11 Similarity 55.4%;
67; Conservative
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Alvarez, Chris
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
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Pred. No. 40;
0; Mismatches
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APPLICANT: VOCKLEY, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 334
LENGTH: 1201
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Williams, Amanda
APPLICANT: Boland, Joseph F.
APPLICANT: Lord, Reginald V.
APPLICANT: Alvarez, Chris
APPLICANT: Wetzel, Jon C.
APPLICANT: Scherf, Uwe
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SEQ ID NO 1
LENGTH: 1024
TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                    Query Match
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NAME/KEY: CDS
LOCATION: (64)..(948)
OTHER INFORMATION:
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                                                                                                                                                                                     OTHER INFORMATION: Genbank Accession No. AB000584
                                                                                                                                                                                                               ORGANISM: Homo sapiens FEATURE:
1031 CAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCGATGTACGCGCAGGCG 1090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1266 CCAGTCGTGCTTGGGTTTGGCCGC 1289
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1151 GCCGAAACTGCTG-----CGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG 1205
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1031 CAACGGGCGCTGCACAAAGCGGGGGGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCG 1090
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          591 CAGGGGGGCGCCAGAGCGCGTGCGCGCAACGGGGACCACTGTCCGCCTCGGGCCCGGGCG 650
                                                                  Match 2.1%; Score 34.4; DB 6; Length 1 Local Similarity 48.5%; Pred. No. 2.7; nes 128; Conservative 0; Mismatches 131; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2.1%;
Local Similarity 48.5%;
nes 128; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GCTGTCGCCACGGGAGGTGCAAGTGACCATGTGCATCGGCGCGTGCCCGAGCCAGTTCCG 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GGCGGCAAACATGCACGCGCAGATCAAGACGAGCCTGCACCGCCTGAAGCCCGACACGGT 830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 34.4; DB 6; Length 1 Pred. No. 2.5; 0; Mismatches 131; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           854
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                                                                                                                Length 1201;
                                                                     <u>ن</u>
                                                                     Gaps
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US-10-267-255-76/c Sequence 76, Application US/10267255; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: Streptomyces lavendulae
US-10-267-255-96
                                                                                                                                                                                                                                                                                                                                                                                                                                                         В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 11
US-10-267-255-96/c
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                                                                                                                                                                          RESULT 12
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PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: US 08/624,447
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: PCT/US94/11279
PRIOR APPLICATION NUMBER: DOS 08/133,963
PRIOR APPLICATION NUMBER: US 08/133,963
PRIOR FILING DATE: 1993-10-07
NUMBER OF SEQ ID NOS: 145
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SOFTWARE: FastSEQ for
SEQ ID NO 96
LENGTH: 18331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 2.1%; Score 34; DB 6; Best Local Similarity 50.6%; Pred. No. 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 96, Application US/10267255 GENERAL INFORMATION:
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APPLICANT: Varoglu, M
APPLICANT: He, M
APPLICANT: Sheldon, P
TITLE OF INVENTION: Mitomycin biosynthetic gene cluster
FILE REFERENCE: 600.456US1
CURRENT APPLICATION NUMBER: US/10/267,255
CURRENT FILING DATE: 2002-10-09
CURRENT FILING DATE: 2002-10-09
APPLICANT:
                                               APPLICANT: Sherman, D
APPLICANT: Mao, Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sherman, D
APPLICANT: Mao, Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                  16079 GGTCCACGCACAAGGGTGCCTCGGCCCCCGCCTCCAGCACCAGGATCCGCATGACGCCCC 16020
                                                                                                                                                                                                                                                  15959 CCACCGCTGATGCTCGCAACTGGCGCCCCCCCCACGGCAACT 15918
                                                                                                                                                                                                                                                                                                                                                   16019 GGTCGCGGCAGCGCTCCGCCGCTCGGACTCCACCGGCCAGCGGATCAGCTCCACCCTCT 15960
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1151 GCCGAAACTGCTG-----CGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG
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                                                                                                                                                                                                                                                                                                 429 TCCTGCATTGTTCCTTCCAGCCCTCGCCCCAACCCCCCACCT 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      309 GGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCC 368
                                                                                                                                                                                                                                                                                                                                                                                                  369 TGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCC 428
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          839 GCCAGCGCCCTGCTGCGTGCCCGC 862
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Varoglu, M
He, M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      80; Indels
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; ORGANISM: Streptomyces lavendulae
US-10-267-255-76
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PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: US 08/624,447
PRIOR FILING DATE: 1996-08-19
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: PCT/US94/11279
PRIOR FILING DATE: 1994-10-06
PRIOR APPLICATION NUMBER: US 08/133,963
PRIOR FILING DATE: 1993-10-07
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Best Local Similarity
                                                                                                                                                       Matches
                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 193, Application US/10270333
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND USES
TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS
FILE REFERENCE: CL000733CON
                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/191,638
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 198
                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/168,677
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/175,691
PRIOR FILING DATE: 2000-01-12
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CURRENT FILING DATE: 2002-10-15
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TITLE OF INVENTION: Mitomycin biosynthetic
FILE REFERENCE: 600.456US1
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CURRENT FILING DATE: 2002-10-09
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                                                                                                                                                                                                                                                              ORGANISM: Drosophila
                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                         1144 AACACCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTG 1203
                                                                                                                                                                                                                                                                                                          LENGTH:
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                  1204 AGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTC 1263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3930 GGTCCACGCACAAGGGTGCCTCGGCCCCCGCCTCCAGCACCAGGATCCGCATGACGCCCC 387:
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                                                                                                                                                                           Local Similarity
                                                             AAAGCCTCACGAAACTTGTGGCTCATGATGTTGTAGAGCAGCGGGTTGATGCAAGTTGAG 2198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CCACCGCTGATGCTCGCAACTGGCGCCCCCCCCCACGGCAACT 3769
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                                                                                                                                                     114;
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                                                                                                                                                                                                                                                                                                                                                       FastSEQ for Windows Version
                                                                                                                                                       Conservative
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Pred. No. 34;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
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                                                                                                                                                                         Score 33.2;
Pred. No. 14;
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RESULT 15
US-10-264-237-1277
Sequence 1277, Application US/10264237
GENERAL INFORMATION:
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PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
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SEQ ID NO 176
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APPLICANT: OLEK, Alexander
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 176, Application US/10240485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/240,485 CURRENT FILING DATE: 2002-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Diagnosis of Diseases Associated TITLE OF INVENTION: Metastasis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: PIEPENBROCK, APPLICANT: BERLIN, Kurt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: DE 10043826.1 PRIOR FILING DATE: 2000-09-01
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                                                                                                                                               15195 AACACAAA 15188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15375 AATTAAACCTTATATCTTACGTCTCTCTCTCTCGAAAAATTATTCTTTATTACTTAATTC 15316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 23683
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                         15315 AATATTTTACAATCTAAAATATTTACTTCATACTAATTAACTACCTATTTTACAAATAAA 1525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
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TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

APPLICANT: Birse et al.

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Title:
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Pred. No. is the number of results predicted by chance to have a

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ALIGNMENTS

REFERENCE			ORGANISM		SOURCE	KEYWORDS	VERSION	ACCESSION			DEFINITION	LOCUS	AK094501	RESULT 1
-	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	Homo sapiens	clone:BRALZ2001350.	Homo sapiens alzheimer cortex cDNA to mRNA, clone_lib:BRALZ2	oligo capping; fis (full insert sequence).	AK094501.1 GI:21753575	AK094501	mRNA.	to Homo sapiens Gz-selective GTPase-activating protein (RGS20)	Homo sapiens cDNA FLJ37182 fis, clone BRALZ2001350, weakly similar	AK094501 1832 bp mRNA linear PRI 15-JUL-2002		

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.)p, Tel:81-438-52-3975, Fax:81-438-52-3986) NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center tec.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Blotechnology Center National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB.
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/clone="BRALZ2001350"
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SOURCE ORGANISM VERSION KEYWORDS

Homo sapiens human Sequence 20 AX136281 AX136281.1

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NCTVNVQDMCQKEVMEQSAGINYRKSCASSAACLIASAGYQSFCSPGKLNSVQISGCN
TPLCNQPRPKKRGSSASALRPGLRTTILFLKLASSRHTAELKEMPPPPALFFQPSPPT
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	ATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCA	CACGAGCAGGAGGAGACAGAGAAAAAGAAAAACACAGCATGAGAAACACAGTAA	AGGGAGAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTA		TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCA		TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGGCCGCAGCCATGAT	AGGAGGGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGAGGATC AGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAAGAAGGGGAGGAGGATGATC	GGCGGCAGCACCAGCACCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTA	GGACAC	TCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAC	CGGTGGTGGAGTGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCG	CAAAGCGGGC	TTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCT			CAGAATTGGCTGGTTTCGCCCCTGAGTTGGGCTCTAGTGACTCGAGACTCGAATGACTGGG	CONTRACTOR	 •	ACTCAAGGCTCCCTCGCTTGACATTCAAAACTTCATGTTCTTCAAAACTTCTTCTTCTA	> - ∶	このでは、このこのこのでは、このでは、このでは、これでは、これでは、これでは、これでは、このでは、このでは、これでは、このでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ	TCACTGAGGTGGGCATCTGCCTTTTGTAAAAGCCTCCAGTGTCCATTCCATCCA	AVOLETION OF TOWNS OF THE PROPERTY OF THE PROP	, — D			TAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAG		AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTG	ACCCCCACCTCAGTGAGTTTCTTCTGGGTGTTCTTTATTCTGGGTAGGGAGCGG	OCCUPATION OF THE PROPERTY OF	
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Shah, N., Meyer, R., Boyer, E. and Dignan, G.
The sequence of Homo sapiens BAC clone RP11-258B17
Unpublished (2001)
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Sulston, J.E. and Waterston, R.
Toward a complete human genome sequence Genome Res. 8 (11), 1097-1108 (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
Submitted (09-AUG-2001) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St. Louis,
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5 (bases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Waterston, R.H.
Direct Submission
                                                                                                                                                           This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
                                                                                                                                                                                                                                                                                                                               NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Waterston, R.
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                                          Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St.
                                                                                              MAPPING INFORMATION:
                                                                                                                                             restriction digest.
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sequence, see http://genome.wustl.edu/gsc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
Summary Statistics
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                   For additional information about the map position of this
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/rpt_family="ERV1"

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The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa,K., Woon,P.Y., Zhao,B., Frengen,E., Tateno,M., Catanese,J.J. and de Jong,P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The clone sequenced to the left is RP11-1L22; the clone sequenced to the right is RP11-159N20, 2000 bp overlap. Actual start of this clone is at base position 1 of RP11-258B17; actual end is at base position 60003 of RP11-159N20.
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Location/Qualifiers
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                                                                                                                                                              /rpt_fami
14175. .1
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15532. .15842
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14016. .14171
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11961. .11969
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2346. .2370
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1397. .3331
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/db_xref="taxon:9606"
/chromosome="2"
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16269. .16605
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1388. .1412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /clone_lib="RPCI-11"
488. .779
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                                               _family="MaLR"
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                                                                                                                                                         /rpt_family="(TTTTG)n"
35361. .35676
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34409. .34703
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                                                                                                                                            rpt_family-"Alu"
                                                                                                                                                                                           note="match to EST BG956501 (NID:g14374672)"
                                                                                                                                                                                                                                                                                               'rpt_family="(GA)n"
32667. .32787
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note="match to EST BF736070 (NID:g12062744)"
28834. .28958
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                                                                                              70.0%; Score 1328; DB 9; Length 129676; 99.9%; Pred. No. 0;
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                  1589 GTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGG 1648
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      AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG 489
                                                                   CTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA
                                                                                  CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 429
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Sequence 3 from Patent W00181634.
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VTSALVALPLLFAMGTFFLVINVFSHRCLTCNRSSTRHHEQPETSNMSICTINLSSRWT
VFQSSIFGAFVVYLVVLLSVAFMCWNMMOVLMKSOKGSLAGGTRPPQLRKSESEESRT
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ARROTIIFLLTVVTLAVGWMPNOIRKIMAAKKPKIDWTRSYFRAYMILLFFSETFFY
LSSVINPLLYVYSSQOFRAFVFVDLCCRLSLGHANHEKRLRVHAHSTTDSARFVORP-L
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19 GGTGCTCGGCCCGGGAGCGCGAGCGGGAGCAGAGCCCGCAGCCGGGGAGCCCGAGCG
                                                                                                 Local
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                                                                        908;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortlum/LLNL at: http://image.llnl.gov Series: IRAL Plate: 39 Row: b Column: 19
This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis, Similarity but not identity to protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: nisc_mgc@nhgri.nih.gov
Shevchenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Benjamin,B., Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tlonggon,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortiu
DNA Sequencing by: National Institutes of Health
Sequencing Center (NISC),
Gaithersburg, Maryland;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (05-NOV-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa;
Mammalia; Eutheria;
1 (bases 1 to 946)
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BC017318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Zhang, L.-H. and Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Web site:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NIH-MGC Project URL: http://mgc.nci.nih.gov
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                                                                           Conservative
                                                                                                                                                                                      /translation="MWVLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
NCTVNVQDMCQKEVMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNCPRPKKRGSSASALRFCLRTTILFLKLALFSAHC"
292 c 261 g 196 t
                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="MGC:29643 IMAGE:3641660"
/tissue_type="Pancreas, adenocarcinoma"
/clone_11b="NIH_MGC_39"
/lab_host="DH10B-R"
                                                                                                                                                                                                                                                                                  /product="Unknown (protein for MGC:29643)"
/protein_id="AAH17318.1"
/db_xref="GI:16878240"
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Pred. No. 0;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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                                                                                   Homo sapiens, clone IMAGE:4026092,
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                 CGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGAGGAGACAGAGAAA
                                                                                        AGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATA
                                                                                                                                                        AGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCC
                                                                                                                                                                                                                            CCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGT 1485
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                                                                                                                                        AGAAAAACGTCTCCGAGAAGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCC
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                                                                       AGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            contact: amadan@systemsbiology.org
Anup Madan, Rachel Dickhoff, Jessica Fahey, Stephanie Ford,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgapbs-rémail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
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/db_xref-"taxon:9606"
/clone="IMAGE:4026092"
/tissue_type="Skin, melanotic m./clone_lib="NIH_MGC_20"
/lab_host="DH10B-R"
/note="Yector: pOTB7"
/note="Yector: 228 g 164 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mark Ketteman and Anuradha Madan
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                                       CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGCCCCGGGACTCCGGGAG
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Secretory protein or membrane
Patent: EP 1067182-A 478 10-17
Helix Research Institute (JP)
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Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Sugiyama,
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/db_xref="taxon:9606"
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/db_xref="G:17901490"
/trans!ation="maspslpcsdcsqlidhshvpefevatwikitlilvyliifvmg
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sytlscklhtflefacsyatllhvltlsferviaichpefrykavsgpcqvklligevw
vtsalvalplleamgtbylvnvpshacitcnrssthhegoptsvmmslctnlssrwt
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vfssifgafvvylvvllsvafwcwnmmqvlmksokgslaggtrppqlkkseseesrt
arrotiiflrllvvtlavcwmpkoirrimaaakrkhumtrsytpaxmillpesdtery
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1 (bases 1 to 1362)

McKee, K.K., Tan,C.P., Palyha,O.C., Liu,J., Feighner,S.D., Hreniuk,D.L., Smith,R.G., Howard,A.D. and Van der Ploeg,L.H. Cloning and characterization of two human G protein-coupled receptor genes (GPR38 and GPR39) related to the growth hormone secretagogue and neurotensin receptors

Genomics 46 (3), 426-434 (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Direct Submission
Submitted (17-NOV-1997) Biochemistry and Physiology, Merck and Inc., PO Box 2000, Rahway, NJ 07065, USA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 (bases 1 to 1362)
MCKee, K.K., Tan, C.P., Paly
Hreniuk, D.L., Smith, R.G.,
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LLGNSATIRVTQVLQKKGYLQKEVTDHAVSLACSDILVFLIGHWEFYSIIWNPLTTS
SYTLSCKLHFPLFEACGYSATLLHVTLSFERY LAIGHEFRYKAVSGPCQVKLLLGFWW
VTSALVALPLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
VFQSSLIFGAFVVLVVLLSVAFMCWNMMQVLMKSGKSLAGGTBPQLKRSESEBSRT
ARRQTIFFAKLIVYTLAVCMMPNQIRRIMAAAKPKHDWTSSFRAYMTLLFSEFEFFY
ARRQTIFFAKLIVYTLAVCMMPNGTANAMOVAMOVANHEKRLRVHAHSTTDSARFVQRPL
LSSVINPLLYTVSSQQFRRVFVQVLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPL
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hormone secretagogue
/codon_start=1
                                                            LFASRRQSSARRTEK I FLSTFQSEAEPQSKSQSLSLESLEPNSGAKPANSAAENGFQE
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/db_xref="taxon:9606"
/chromosome="2"
                                                                                                                                                                                                                                          /protein_id="AAC26082.1"
/db_xref="GI:2654161"
                                                                                                                                                                                                                                                                                    /product="GPR39"
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/dev_stage="fetal"
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gogue and neurotensin receptors"
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         1461 AGCGGGTTGATGACCGAGCTGAGGTAGAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 1520
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                                                                                                                                                                                                                                                                                                      AX136698
Sequence
AX136698
                                                                                                                                                 Secretory protein or membrane protein
Patent: EP 1067182-A 620 10-JAN-2001;
Helix Research Institute (JP)
Location/Qualifiers
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Hayashi,K.
                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 587)
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/db_xref="taxon:9606"
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1774 CTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGA 1833
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                                       TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 1773
                                                                                                    GAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATA 1713
                                                                                                                                          GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA 1653
                                                                                                                                                                                           AGGACCTCGTCCAGTCGTGCTTGGGTTTGGGCCGCAGCCATGATCCTCCGAATCTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA 1640
                         TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA
                                                                            GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA
                                                                                                                                                                              AGGACCTCGTCCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG
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                                                                                                                                                                                                                                                                                                                                                                                                            Mammalia; Eutheria; Primates; Catarrhin 1 (bases 1 to 444)
Kroes,R.A., Moskal,J.R. and Yamamoto,H. Differential gene expression in cancer Patent: WO 0136685-A 95 25-MAY-2001; NYXIS NeuroTherapies, Inc. (US)
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AX150120
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/db_xref="taxon:9606"
113 c 94 g 14
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from Patent WO0136685
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Primates;
                                                                                                                                                                                                                                                                             Score 364; DB 6; Leng
; Pred. No. 4.6e-206;
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RESULT 15
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Matches 316;
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                                                                                                                                                                                                                                                                                                                                                                                    CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGGAGTTCATTGTGAA 393
                                                                                                                                                                                                                                                                    CATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCA 513
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                                                                                                                                                                                                                                                                                                                                                                      CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAA 124
                                                                                                                                                                                                                                                                                                                                                                                                                         CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG 64
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  Eukaryota; Metazoa;
Mammalia; Eutheria;
                           Homo sapiens
                                                                            Sequence 199 from Patent Ax093381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ovarian tumor sequences and methods Patent: WO 0118046-A 9 15-MAR-2001; CORIXA CORPORATION (US)
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                                                               AX093381.1 GI:13509829
                                                                                                       AX093381
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/db_xref="taxon:9606"
1. .396
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117 c 95 g
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  Chordata;
Primates;
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Pred. No. 2.9e-1
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WO0118046.
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 Craniata; Vo
Catarrhini;
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             Vertebrata;
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   Hominidae;
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              Euteleostomi;
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AC010974/c
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                                                                                                                                                                                                                                                                                                  147131 bp
Homo sapiens BAC clone RP11-159N20
AC010974
AC010974.9 GI:19033964
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             Waterston, R.H.
                                      8
                                             Direct Submission
Submitted (28-SEP-1999) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                    Waterston, R.H.
                                                                                                   The sequence of Homo sapiens Unpublished (2001)
3 (bases 1 to 147131)
                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Mammalia; Eutheria; Primates; Catarrhin: 1 (bases 1 to 147131)
Sulston, J. E. and Waterston, R.
Toward a complete human genome sequence Genome Res. 8 (11), 1097-1108 (1998) 99063792
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                                                                                                                                     VanBrunt, A. and Strowmatt, C.
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/db_xref="taxon:9606"
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The clone sequenced to the right is RP11-458A7, 200 bp overlap; the clone sequenced to the right is RP11-258B17. Actual start of this clone is at base position 1 of RP11-159N20; actual end is at base position 147131 of RP11-159N20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          libraries. Genomics 51:1-8. The GLUIG
Research Genetics, Inc. (http://www.re
and coworkers at http://www.chori.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The RPCI-11 human BAC library was made from the blood of one donor, as described by Oscegawa, K., Woon, P.Y., Zhao, B., Freng Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either than the construction of bacterial artificial chromosome libraries.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (01-MAR-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, On Mar 1, 2002 this sequence version replaced gi:13435273.
                                                                                                                                                                                                                                                                                                                                                                                                                        clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. MO. For additional information about the map position of this sequence, see http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NEIGHBORING SEQUENCE INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOURCE INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MAPPING INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Web site: http://genome.wustl.edu/gscContact: saplens@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Center project name: H_NH0159N20
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                                                                                                                                                                                                                                                                                                                                                                                                                     are polymorphic base differences RP11-159N20 and RP11-258B17.
                       /note="match to EST BG184021 (NID:g13705708)"
991. .1176
                                                                                                                  /rpt_family-"L1"
984. .1176
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                                                                                                                                                                                                                                  /clone="RP11-159N20"
/clone_lib="RPCI-11"
                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
/note="match to EST BG187166 (NID:g13708853)"
                                                                                                                                                                                                                                                                                  /map="2'
                                                                                        'note="match to EST BG200048 (NID:g13721735)"
                                                                                                                                                                                   'rpt_family-"MIR"
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9731. .9895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="match to EST BG704350 (NID:gl3977603)" 15183. .15321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13854.
                                                                                                                                                                                                                                                                                /note="match
15184. .1532(
                                                                                                                                                                                                                                                                                                                           /note="match to EST BG184021 (NID:g13705708)" 15184. .15320
                                                                                                                                                                                                                                                                                                                                                                        /note="match to
15184. .15321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note="match to EST 15183. .15321
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15183. .15321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="match to EST AI239596
15183. .15321
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15184. .15321
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2299. .2596
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1525. .1552
                                                                  note-"match to EST BF347279 (NID:g11294874)"
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                       'note≔"match
                                                                                                                'note="match to EST
                                                                                                                                                             note="CpG_island (%GC=68.0,
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5. .13776
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                       BG753617
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                                                                                                                  BG704350
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                     (NID:g14064270)"
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REFERENCE
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Best Local
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                                                                               Eukaryota; Metazoa; Chordata; Crania
Mammalia; Euthería; Rodentia; Sciuro
1 (bases 1 to 209885)
McPherson, J.D. and Waterston, R.H.
The sequence of Mus musculus clone
Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG 16718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCCGGGACTCCGGGAG 258
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                                                                                                                                                                                                                                                             209885 bp DNA linear HTG 05-J
Mus musculus chromosome UNK clone RP23-462P13, WORKING DRAFT
SEQUENCE, 5 unordered pieces.
Submitted (14-JUN-2002) Genome Sequencing Center, 4444 Forest Parkway, St. Louis, MO 63108, USA
                               2 (bases 1 to 209885)
McPherson, J.D. and Wat
Direct Submission
                                                                                                                                                                                             Mus musculus
                                                                                                                                                                                                                          HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_FULLTOP
                                                                                                                                                                                                                                              AC124493.2 GI:21699722
                                                                                                                                                                                                                 house mouse.
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/note="similar to Homo sapiens EST BE963800
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18319. .18352
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/note="similar to Bos taurus EST BE682268 (NID:g10067956)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /rpt_famlly="(TCCC)n"
18637, lale/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                note="match to EST BG200485 (NID:g13722172)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="similar to Bos taurus EST BE750540 (NID:gl0164532)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note-"match to EST R54748 (NID:g819270) yj75b04.r1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="similar to Homo sapiens EST R54936 (NID:g819192)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19225. .19616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note="match to EST BF940247 (NID:g12357567)"
18931. .19137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8938. .19409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15.5%; Score 294; DB 9; Lo
100.0%; Pred. No. 6.8e-164;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           family
                                                 and Waterston, R.H
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                                                                                                                                                    Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 147131;
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                                                                                                                                                                                                                                                                                                             HTG 05-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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Db 103249 GTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGC 103203
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                                                                                   Query Match
Best Local Similarity
Matches 47; Conserv
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                   401 GTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGC 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Insert size: 206000; agarose-fp
Insert size: 212112; sum-of-contigs
Quality coverage: 0.00 in Q20 bases; agarose-fp
Quality coverage: 11.62 in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Consensus quality: 208484 bases at least Q40 Consensus quality: 208911 bases at least Q30 Consensus quality: 209285 bases at least Q20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequencing vector: plasmid; 100%
Chemistry: Dye-primer ET; 0% of reads
Chemistry: Dye-terminator Big Dye; 100% of reads
Chemistry: Dye-terminator Big Dye; 100% of reads
Assembly program: Phrap; version 0.990319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (05-JUL-2002) Genome Sequencing Center, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
On Jul 5, 2002 this sequence version replaced g1:21426614.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequencing vector: M13; 0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Center: Washington University Genome Sequencing Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 (bases 1 to 209885)
MCPherson, J.D. and Waterston, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         * NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Center project name: M_BA0462P13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: submissions@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Center code: WUGSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Web site:http://genome.wustl.edu/gsc/index.shtml
                                                                                                                                                                                                                   59789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             as soon as it is available and the accession number will be preserved.
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11432
28618
28718
49455
49555
107385
107385
                                                                                               Conservative
                                                                                                                                                                                                       /note="assembly_name:Contig12"
44784 c 46164 g 58745 t
                                                                                                                                                                                                                                                             49555. .107384 //
/note="assembly_name:Contig11"
107485. .209885
                                                                                                                                                                                                                                                                                                                                                     /note="assembly_name:Contig9"
28718. .49454
                                                                                                                                                                                                                                                                                                                                                                                                       /note="assembly_name:Contig8"
11432. .28617
                                                                                                                                                                                                                                                                                                                          /note="assembly_name:Contig10"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Mus musculus"
/db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone="RP23-462P13"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'chromosome-"UNK"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11331: contig of 11331 bp in length
11431: gap of unknown length
28617: contig of 17186 bp in length
28717: gap of unknown length
49454: contig of 20737 bp in length
49554: gap of unknown length
107384: contig of 57830 bp in length
107484: gap of unknown length
209885: contig of 102401 bp in length
                                                                                                                   2.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .209885
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                                                                                             0;
                                                                                                                 Score 47; DB 2; L
Pred. No. 1.2e-15;
                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 209885;
                                                                                                                                                                                                            403 others
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                                                                                                    Matches
                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                  CDS
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394 CAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGA 431
                                                  329 CAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGA 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vector:

DWEIGS-FL3

1st strand cDNA was primed with an oligo(dT) primer

[ATGTGGCCTTTTTTTTTTTTTTTTT]; double-stranded cDNA was synthesized using specific 5' and 3' primers and amplified by PCR. The PCR product was digested with Sfil and size selection was performed to exclude fragments <1.5kb.The Sfil-digested PCR product was cloned into distinct DraIII sites of pMEIGS-FL3. Xhor sites just outside the DraIII sites can be used to isolate the CDNA insert. Library was constructed by Sugano et al. (University of Tokyo, Institute of Medical Science). Custom primer used for sequencing (5' end primer [CGACCTGCAGCTCGAGCACA]).

A part of this sequence is reported in AU035640.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (13-APR-2000) Katsuyuki Hashimoto, National Institute of Infectious Diseases, Division of Genetic Resources; 23-1, Toyama 1-chome, Shinjuku-ku, Tokyo 162-8640, Japan (E-mail:khashi@nih.go.jp, URL:http://www.nih.go.jp/yoken/genebank/, Tel:81-3-5285-1111) (ex.2120), Pax:81-3-5285-1181) URL: http://www.nih.go.jp/yoken/genebank/
Lib Name: Sugano mouse brain mncb
                                                                                                    38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fis (full insert sequence).
Mus musculus (strain:C57BL) adult female cDNA to mRNA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU41649 1797 bp mRNA musculus brain cDNA, clone MNCb-0671
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hashimoto, K., Osada, N., Kusuda, J. and Sugano, S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                made by oligo-capping method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Osada, N., Kusuda, J., Tanuma, R., Ito, A., Hirata, M., Sugano, S. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                clone_lib:Sugano mouse brain mncb clone:MNCb-0671.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          isolation of full-length cDNA clones from mouse brain cDNA library
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hashimoto, K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lab host:
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                                                                                                                                                                                                                               391
                                                                                                    Conservative
                                                                                                                                                                                                                     /protein_id="Baa95101.1"
//db_xref="G1:7670500"
/translation="mwvLGIAATFCGLFWLPGLALQIQCYQCEEFQLNNDCSSPEETV
NCTVNVQDMCQKEVTEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASAIRPGLLTTLLFFHLALCLAHC"
1 487 c 511 g 408 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                     /clone_lib="Sugano mouse brain mncb"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /sex="
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="taxon:10090"
/clone="MNCb-0671"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /strain="C57BL"
                                                                                                                                                                                                                                                                                                                                                                                                     /note="unnamed protein product"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocation/Qualifiers
                                                                                                                           2.0%;
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                                                                                                    0
                                                                                                                              Score 38;
Pred. No.
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                                                                                                    Mismatches
                                                                                                                           DB 10; Length 1797; 2.2e-10;
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                                                                                                      0,
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RESULT 19

Contact: hgsc-help@bcm.tmc.edu

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REFERENCE
AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AUTHORS
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                                                                                                                              submitted (18-JUL-2002) Human Genome Sequencing Center, D. of Molecular and Human Genetics, Baylor College of Medici Baylor Plaza, Houston, TX 77030, USA on Jul 2, 2002 this sequence version replaced gi:21240186
                                                                                                                                                                                                                                                                                                                                                          Direct Submission
Submitted (29-MAY-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, Tx 77030, USA
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                                                                                                                                                                                                                                                                        Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unpublished
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Web site: http://www.hgsc.bcm.tmc.edu/
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9, *** SEQUENCING IN PROGRESS
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* NOTE: Estimated insert size may differ from sequence length

(see http://www.ngsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

* NOTE: This is a 'working draft' sequence. It currently

* consists of 52 contigs. The true order of the piaces

is not known and their order in this sequence record is

* arbitrary. Gaps between the contigs are represented as

* runs of N, but the exact sizes of the gaps are unknown.

This record will be updated with the finished sequence

* as soon as it is available and the accession number will

* be preserved.
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Center clone name: CH230-71J19
Center clone name: Plasmid;
Chemistry: Dye-terminator Big Dye: 100% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 82161 bases at least Q40
Consensus quality: 88014 bases at least Q30
Consensus quality: 92229 bases at least Q20
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1265: gap of unknown 1
2646: contig of 1381 b
2746: gap of unknown 1
4305: contig of 1559 b
4405: gap of unknown 1
5847: contig of 1442 b
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100972: contig of 3900 bp in ler
101072: gap of unknown length
107076: contig of 6004 bp in ler
107176: gap of unknown length
113525: contig of 6349 bp in ler
113625: gap of unknown length
119430: contig of 5805 bp in ler
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fu,S., Gu,Y., Li,Y., Peng,Y., Gu,J., Zhang,L., Jiang,C., Yu,Y., Fu,G., Wang,Y., Chen,Z. and Han,Z. Direct Submission
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Fu,G., Wang,Y., Chen,Z. and Han,Z.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
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/protein_id="AAF67473.1"
/db_xref="GI:7688665"
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                                                                                                                 /organism="Medicago sativa"
/db_xref="taxon:3879"
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/product="glycolate oxidase"
/protein_id="AAC32392.1"
                                    /codon_start=2
                                                                       /tissue_type="shoot apical meristem"
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                                                                                                                                                                                                                                                                                                                                      This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection 1 (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polyA tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are arrifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAs, and reverse transcription of unspliced precursor RNAs, and reverse transcription about this sequence, including its location and relationship to other sequences, please visit our Web site
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27; Conserv
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Berkeley Drosophila Genome Project
Lawrence Berkeley National Laboratory
Berkeley, CA 94720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Liao, G., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S., Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M.
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
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Location/Qualifiers
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                         /gene="CG13601"
                                                                                                      /gene="CG13601"
                                                                                                                                                            /db_xref="taxon:7227
                                                                                                                                                                                                               /organism="Drosophila melanogaster"
/note="Longest ORF"
                                                                            /db_xref="FLYBASE:FBgn0039126"
                                                                                                                                                                                        /strain="y; cn bw sp"
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RESULT 24
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Unpublished
      Watanabe,K., Kumagai,A., Itakura,S., Yamazaki,M., Tashiro,H., Ota,T., Suzuki,Y., Obayashi,M., Nishi,T., Shibahara,T., Tanal Nakamura,Y., Isogai,T. and Sugano,S.
NEDO human cDNA sequencing project
                                                                                                                                                                        oligo capping; fis (full insert sequence).
Homo sapiens signet-ring cell carcinoma cell_line:KATO III cDNA to
MRNA, clone_lib:KAT clone:KAT02340.
                                                                                                                                                                                                                                                                       AKU26521 1614 bp mRNA linear PRI 29-SEP-2
Homo saplens cDNA: FLJ22868 fis, clone KAT02340, highly similar
HUMTFSLIC Homo saplens transcription factor SL1 mRNA.
                                                                                                             Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                       Eukaryota;
                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                      AK026521.1 GI:10439398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             assessment, prevention, and therapy of human cancers Patent: WO 0179556-A 825 25-OCT-2001; Millennium Predictive Medicine, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel genes, compositions and methods for the identification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lillie, J., Brown, J.L., Bolt, A. and van Huffel, C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Euteleostomi;
Mammalia: Eutheria: Primates: Catarrhini; Hominidae: Homo.
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/product="LD37258p"
/protein_id="AAM49927.1"
/db_xref="FLYBASE:FBgn0039126"
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a 259 c 278 g 243 t
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/db_xref="taxon:9606"
312 c 321 g 213
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Web site: http://www.hgsc.bcm.tmc.edu/cdna/
Contact: amg@bcm.tmc.edu
Gunzaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Hale, S.M.,
YOON, V.S., KOWIS, C.R., Lawrence, S., Martin, R.G., Muzny, D.M.,
Richards, S., Gibbs, R.A.
                                                                                                                                                                                Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
CDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Constium (LLNL)
                                                                                                                                                                                                                                                                                                                                                      Submitted (01-MAY-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                            Sequencing Center
                                                                                                                                                                                                                                                                                           Contact: MGC help desk
                                                                                                                                                                                                                                                                                                        NIH-MGC Project URL: http://mgc.nci.nih.gov
                                                                                                                          Center code: BCM-HGSC
                                                                                                                                                                   DNA Sequencing by: Baylor College of Medicine Human Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                          Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1. (bases 1 to 2625)
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Homo sapiens, clone IMAGE:3919084,
BC028978
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (29-AUG-2000) Sumio Sugano, Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure Analysis, Human Genome Center; Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639, Japan (E-mail:cdnaleims.u-tokyo.ac.jp, Tel:81-3-5449-5286, Fax:81-3-5449-5416)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
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Sugano,S., Suzuki,Y., Ota,T., Obayashi,M., Nishi,T., Isogai,T.,
Shibahara,T., Tanaka,T. and Nakamura,Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
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transcription factor SL1 mRNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /cell_type="signet-ring cell carcinoma"
/clone_llb="KAT"
/note="cloning vector pME18SFL3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /clone="KAT02340"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               prosophila melanogaster
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.

1 (bases 1 to 3155)
Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J.,
Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E.,
George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Liao, G.,
Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S.,
Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Drosophila melanogaster LD11626 full insert cDNA.
AY094780
                                                                                                                                                                                                                                                                                                This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection I (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polya tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAS, and reverse transcriptase errors that result in single base changes.
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FLI_CDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Berkeley Drosophila Genome Project
Lawrence Berkeley National Laboratory
Berkeley, CA 94720
                                                                                                                                                             cdna@fruitfly.berkeley.edu.
Location/Qualifiers
                                                                                                                                                                                                                  For further information about this sequence, including its location and relationship to other sequences, please visit our Web site (http://fruitfly.berkeley.edu) or send email to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (03-APR-2002) Berkeley Drosophila Genome Project, Lawrence Berkeley National Laboratory, One Cyclotron Road, Berkeley, CA 94720, USA
Sequence submitted by:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and Celniker, S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Drosophila melanogaster.
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/clone="IMACE:3919084"
/tissue_type="Skin, melanotic melanoma."
/clone_lib="NIH_MGC_72"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
1. .2625
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538 c 502 g 725 t
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                          /organism-"Drosophila melanogaster"
/strain-"y; cn bw sp"
/db_xref="taxon:7227"
/map="43D3-43D3"
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ative 0;
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100.0%; Pred. No. 0.0009
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1871 АСАСТСТАААААААААААААААААА 1897
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                     AL Submitted (18 JUL-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humqueryganger.ac.uk Clone requests: Clonerequest@sanger.ac.uk On Feb 21, 2002 this sequence version replaced gi:17529555. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one M13 subclone; and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AL645986 4820b r
Mouse DNA sequence from clone
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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assembly was confirmed by restriction digest. The following
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/db_xxet=
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has no introns and polya tail is encoded in the genomic"
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/protein_id="AAM11133.1"
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Miner,G., Miner,Z., Mitchell,T., Mohabbat,K., Morgan,M., Morris,S.
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Rattus norvegicus clone CH230-286021, *** SEQUENCING IN PROGRESS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rattus
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Contact: humquery@sanger.ac.uk
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                                                                                                                                                                                                                                                                                                                                                                                                                              * NOTE: Estimated insert size may differ from sequence length

* (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

* NOTE: This is a 'working draft' sequence. It currently

* consists of 50 contigs. The true order of the pieces

* is not known and their order in this sequence record is

* arbitrary. Gaps between the contigs are represented as

* runs of N, but the exact sizes of the gaps are unknown.

* This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (17-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
On Jul 13, 2002 this sequence version replaced g1:20303189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (19-FEB-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
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Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                as soon as it is available and the accession number will be preserved.
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Chemistry: Dye-terminator Hig Dye: 100% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 32512 bases at least Q40
Consensus quality: 34515 bases at least Q40
Consensus quality: 35930 bases at least Q20
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27; Conserv
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                                             NOTE: This is a 'working draft' sequence. It currently consists of 2 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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/organism="Rattus norvegicus"
/db_xref="taxon:10116"
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This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one Mi3 subclone; and the assembly was confirmed by restriction digest. The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em:, EMBL; Sw:, SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (11-APR-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 15A, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk On Apr 12, 2002 this sequence version replaced gi:20135756. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence.
                                                                                                                                                                                                                                      rrom the RPCI-23 Mouse PAC Library constructed by the group of Pietter de Jong.
For further details see http://www.chori.org/bacpac/home.htm
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                                                                                                                                                                                                                                                                                      http://www.sanger.ac.uk/Projects/C_elegans/wormpep RP23-15E24 is from the RPCI-23 Mouse PAC Library
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24119. .127524
/note="assembly_fragment:00777.0"
/ 23572 c 23357 g 42574 t 10
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/clone_lib="RPCI-23"
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/chromosome="x"
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/clone_lib="RPCI-23"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Birren, B., Nusbaum, C. and Lander, E. Polypterus bichir, clone -22F22 unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (05-JUL-2002) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker:
Smit, A.F.A. & Green, P. (1996-1997)
http://ftp.genome.washington.edu/RM/RepeatMasker.html
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Polypterus bichir clone -22F22,
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                                                                                                                                                                                                                                                                                  NOTE: This is a 'working draft' sequence. It currently consists of I contigs. daps between the contigs are represented as runs of N. The order of the places is believed to be correct as given, however the sizes of the gaps between them are based on estimates that have
                                                                                                                                                                         provided by the submittor.
This sequence will be replaced
by the finished sequence as soon as it is available and
                                                                                                         the accession number will be preserved.
1 151602: contig of 151602 bp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Center clone name: 22_F_22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: sequence_submissions@genome.wi.mit.edu
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/organism="Polypterus bichir"
                                                                       Location/Qualifiers
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Street, Waltham, MA 02453,
4 (bases 1 to 170255)
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Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
/chromosome="10"
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/clone_lib="RPCI-11"
30250 c 31205 g 55337 t
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/clone="-22F22"
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Sequencing vector: M13; 100%
Sequencing vector: plasmid; 0%
Chemistry: Dye-primer ET; 100% of reads
Chemistry: Dye-terminator Big Dye; 0% of reads
Assembly program: Phrap; version 0.990319
Consensus quality: 177601 bases at least 040
Consensus quality: 170488 bases at least 030
Consensus quality: 171954 bases at least 020
Insert size: 179000; agarose-fp
Ouality coverage: 4.14 in 020 bases; agarose-fp
Quality coverage: 4.29 in 020 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Web site:http://genome.wustl.edu/gsc/index.shtml
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (22-JUL-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
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AC074245
AC074245.3 GI:9887809
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                                                                                                                                                                                                                                                                                                                                                                                                   NOTE: This is a 'working draft' sequence. It currently consists of 21 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Caps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence.
                                                                                                                                                                                                                                                                                                                                                                       as soon as it is available and the accession number be preserved.
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/note="assembly_name:Contig9"
32967 c 33013 g 54383 t
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135945. .153641
                                                                     /note="assembly_name:Contig28" 175840. .177387
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153742. .175739
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102102. .119488
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119589. .135844
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/db_xref="taxon:9606"
/chromosome="2"
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30937. .36567
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18973. .25292
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contig of 17387 bp in 1
gap of unknown length
contig of 16256 bp in 1
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                                                                                                    Submitted (10-JAN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA On Jan 3, 2002 this sequence version replaced gi:14209801.
                                                                                                                                                                                                                                         Direct Submission
Submitted (03-JAN-2002) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                                                                                                                                                                                                                                                                               Direct Submission
Submitted (30-JUL-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
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                                                                                                                                                                                           MO 63108, USA
5 (bases 1 to 195782)
Waterston,R.
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4 (bases 1 to 195782)
Waterston, R.H.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 195782)
Sulston, J.E. and Waterston, R.
Toward a complete human genome sequence
Genome Res. 8 (11), 1097-1108 (1998)
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Homo sapiens BAC clone RP11-510K8 from 7,
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Center project name: H_NH0510K08
          Web site: http://genome.wustl.edu/gsc
Contact: saplens@watson.wustl.edu
Summary Statistics
                                                                 Center: Washington University Genome Sequencing Center Center code: WUGSC
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by

restriction digest.

MAPPING INFORMATION:
The sequence of this clone was established as part of a mapping and sequencing collaboration between the NHGRI Chromosome 7 mapping

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VECTOR: pBACe3.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Project (Eric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington University Genome Sequencing Center. For additional information about the map position of this sequence, see http://www.nhgri.nih.gov/DIR/GTB/CHR7, send mailto:egreen@nhgri.nih.gov, or see http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The clone sequenced to the left is RP11-16P10, 2000 bp overlap. Actual start of this clone is at base position 112086 of RP11-16P10; actual end is at base position 195782 of RP11-510K8.
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Location/Qualifiers
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/chromosome="7"
/note="match to EST 5222. .6225
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Birren,B., Linton,L., Nusbaum,C. and Lander,E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AC099615 209572 bp
Mus musculus clone RP23-412G3, 1
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                                                        * NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequencing vector: Plasmid; n.a; 100% of reads Chemistry: Dye-terminator Big Dye; 100% of reads Assembly program: Phrap; version 0.960731 Consensus quality: 204261 bases at least Q30 Consensus quality: 205700 bases at least Q30 Consensus quality: 207379 bases at least Q30 Consensus quality: 207579 bases at least Q30 Consensus quality:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Insert size: 200000; agarose-fp
Insert size: 207772; sum-of-contigs
Quality coverage: 8.2 in Q20 bases; agarose-fp
Quality coverage: 7.9 in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Center: Whitehead Institute/ MIT Center for Genome Research Center code: WIBR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: sequence_submissions@genome.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Web site: http://www-seq.wi.mit.edu
record will be updated with
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119421 142295: contig of 22875 bp in length
142296 142395: gap of 100 bp
142396 16670: contig of 24275 bp in length
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197365 209572: contig of 12208
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525 9624: gap of 100 bp
25 11091: contig of 1467 bp in length
92 11191: gap of 100 bp
12 12839: contig of 7
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clone_end:SP6
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19167. .26753
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                                                             /note="assembly_fragment"
26854. .35082
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/clone="RP23-412G3"
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0406: contig of 687
6566: gap of 100 bp
7975: contid 7
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12940. .16049
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REFERENCE
AUTHORS
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                                               Birren,B., Linton,L., Nusbaum,C., Lander,E., Ali,A., Allen,N., Anderson,S., Barna,N., Bastien,V., Bloom,T., Boguslavkiy,L., Boukhgalter,B., Brown,A., Camarata,J., Campopiano,A., Chang,J.
                                                                                                                                                   Submitted (10-FEB-2002) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
                                                                                                                                                                                                                         Direct Submission
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Mammalia; Eutheria; Rodentia;
1 (bases 1 to 212690)
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HTG; HTGS_PHASE2; HTGS_DRAFT; HTGS_FULLTOP
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142396. .166670
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119421. .142295
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Brown, A., Camara, Brown, A., Colangelo, M.,
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100.0%; Pred. No. 0.0012;
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                      Camarata, J., Campopiano, A., Chang, J., olangelo, M., Collins, S., Collymore, A.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   * NOTE: This is a 'working draft' sequence. It currently
* consists of 26 contigs. Gaps between the contigs
* are represented as runs of N. The order of the pieces
* is believed to be correct as given, however the sizes
* of the gaps between them are based on estimates that have
* provided by the submittor.
* provided by the submittor.
* This sequence will be replaced
* by the finished sequence as soon as it is available and
* the accession number will be preserved.

1 1 618: contig of 618 bp in length
* 1 100 Fm.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zainoun,J., Zembek,L., Zimmer,A. and Zody,M. Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Insert size: 210000; agarose-fp Insert size: 210190; sum-of-contigs Quality coverage: 14.3 in Q20 bases; Quality coverage: 14.3 in Q20 bases;
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Center clone name: 67_H_24
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719 1375: cc
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of 1119 bp in length
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113565 113664: gap of 100 bp
113665 134201: contig of 20537 bp in length
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134302 159668: contig of 25367 bp in length
159669 159768: gap of 100 bp
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11796 15821: contig of 4026 bp in length
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7506 7605: gap of 100 bp
7606 8326; contia of 100 bp
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719. .1375
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212690: contig of 52922 bp in length
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59604: contig of 1213 bp in length
704: gap of 100 bp
74258: contig of 14554 bp in length
358: gap of 100 bp
93680: contig of 19322 bp in length
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9838: contig of 1412 bp in length
8: gap of 100 bp
11695: contig of 1757 bp in length
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Beckstrom-Sternberg,S.M., Benjamin,B., Blakesley,R.W., Bouffard,G.G., Dietrich,N.L., Eagle,W.O., Gupta,J., Ho,S.-L., Huang,M.C., Idol,J., Lee-Lin,S.-Q., Maduro,Q.L., Maduro,V.B., Mastrian,S.D., McCloskey,J.C., Morse,E., Ojodu,M.A., Pearson,R., Stantripop,S., Summers T.J., Thomas,J.W., Thomas,P.J., Tiongson,E.E., Touchman,J.W., Tran,J.T., Vogt,J.L., Walker,M.A., Wetherby,K.D. and Green,E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AC069297 214411 bp DNA linear HTG 25-MAY-2000
Mus musculus chromosome 12 clone RP23-2N7 strain C57BL6/J, WORKING
* NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Direct Submission
Submitted (25-MAY-2000) NIH Intramural Sequencing
Grovemont Circle, Galthersburg, MD 20877, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AC069297.1 GI:8072378
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unpublished
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                                                                                                                                                                                                                                                                                                            Sequencing vector: plasmid; n/a; 100% of reads Chemistry: Dye-terminator Big Dye; 100% of reads Assembly program: Phrap; version 0.990319 consensus quality: 204922 bases at least Q40 consensus quality: 207990 bases at least Q30 consensus quality: 207910 bases at least Q30 consensus quality: 209017 bases at least Q30 consensus quality: 209017 bases at least Q30 consensus quality: 209017 bases at least Q30
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                                                                                                                                                        Insert size: 20500; agarose-fp
Insert size: 248000; pulse-field-gel
Insert size: 212611; sum-of-contigs
Quality coverage: 5.40x in Q20 bases; agarose-fp
Quality coverage: 4.46x in Q20 bases; pulse-field-gel
Quality coverage: 5.20x in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Web site: http://www.nisc.nih.gov
Contact: nisc_mouse@nhgri.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Center: NIH Intramural Sequencing Center Center code: NISC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Center clone name: 002N07
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47492..59604
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74359. .93680
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59705. .74258
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35861. .47391
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                        /note="assembly_fragment"
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/chromosome="12"
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/strain="C57BL6/J"
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http://www.sanger.ac.uk/HGP/ChrIO

This sequence is the entire insert of clone RP11-446H13 The true left end of clone RP11-699H2 is at 128287 in this sequence. The true right end of clone RP11-699H2 is at 175932 in this sequence. This sequence has been finished according to sequence map criteria as follows. An attempt is made to resolve all sequencing problems, such as compressions and repeats, but not necessarily within known annotated repeat sequence elements. Where the sequence is ambiguous, there is an annotation using the 'unsure' feature key. RP11-446H13 is from the library RPCI-11.2 constructed by the group
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human DNA sequence from clone RP11-446H13 on chromosome 10. Contains the 3' end of the gene for a novel protein similar to KIAA1059 (ortholog of mouse VPS10 domain receptor protein SORCS), an RPL23A (60S ribosmal protein 23A) pseudogene, ESTs, STSs and GSSs, complete sequence.
                                                                                                                                                                                                                                                                                                                              The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases:
Em:, EMBL; Sw:, SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at http://www.sanger.ac.uk/Projects/C_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromosome 10, constructed by the Sanger Centre Chromosome 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 During sequence assembly data is compared from overlapping clones. where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (11-DEC-2000) Sanger Centre, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Sep 9, 2000 this sequence version replaced g1:9943953.
                                                                                                                                                                                                                                                                                                        Mapping Group. Further information can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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HTG; KIAA1059; RPL23A; SORCS; VPS10 domain.
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/note="assembly_fragment"

161081. .185614

/note="assembly_fragment"

185715. .214411

/note="assembly_fragment"

/note="assembly_fragment"

46639 c 46482 g 59706 t
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89313. .99267
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of Pieter de Jong. For further details see http://www.chori.org/bacpac/home.htm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="2 co-
                                                                                                                                                                                                                                                                                                 /note="MIR repeat: matches 47. 17932. .18227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    complement(4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="10"
                                                                                                                                                                                             complement(19592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /clone="RP11-446H13"
                                                                                                                                                                                                                                                                  /note="AluJb repeat: matches 5.
18228. .18321
                                                                                                                                                                                                                                                                                                                                note="Alus repeat: matches 15.
17855. .17931
                                                                                                                                                                                                                                                                                                                                                                                                                                l3204. .13680
/note="LTR22 repeat: matches 5.
l3681. .13741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="match: GSS: Em:AQ461290"
13042. .13203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               137. .9438
"note="Alux repeat: matches 1. .302 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note="MSTD repeat: matches 1. .394 of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'note="match: GSS: Em:AQ516952"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="31_copies 2 mer aa 69% conserved"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1532. 2624
Note="L1PB1 repeat: matches 6059. .6151 of consensus"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  note-"Charlie3 repeat: matches 802. .850 of consensus"
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                                                note-"match: GSS: Em:AQ560506"
                                                                               note="11 copies 4 mer
                                                                                                              note="28 copies 2 mer ac 85% conserved"
                                                                                                                                              note-"FLAM_C repeat: matches 1.
                                                                                                                                                                                 note="match: GSS: Em:AQ359125"
                                                                                                                                                                                                              'note="Alusx repeat: matches 5.
                                                                                                                                                                                                                                                                                                                                                                note-"Alusx repeat: matches 5.
.7322. 17384
                                                                                                                                                                                                                                                                                                                                                                                                             note="MIR repeat: matches 34. .93 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'note="MIR repeat: matches 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'note-"MSTD repeat: matches 204. .394 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  note="MIR repeat: matches 93. .260 of consensus"
                 ote-"match:
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                                                                                                                                  .20341
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                                                                                                  .20343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                copies 64 mer 85% conserved"
                                                                                                                                                                                                                                                repeat: matches 113.
               GSS: Em:AQ191866"
                                                                                acac 95%
                                                                                                                                                                                                                                                                                                                  .113 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .205 of
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                                                                                                                                                                                                                                                  .239 of consensus"
                                                                                                                                                                                                                                                                                                                                                 .77 of consensus*
                                                                                                                                                                                                                                                                                                                                                                                  .310 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                 .509 of consensus"
                                                                                conserved'
                                                                                                                                                                                                                                                                                 .309 of consensus"
                                                                                                                                                                                                                  .292 of
                                                                                                                                                .131 of
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23117 . .23351

/note="LIM1 repeat: matches 1882.

join(23433 . .23587,23905. .24080)

/note="match: GSS: Em:AQ745958"

23646. .24715
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complement(28093...2837/)
/note="match: GSS: Em:AQ568541"
/note="match: GSS: Em:AQ568541"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27830. .27938 /note="LIMB2 repeat: matches 5471. /note="LIMB2 repeat" romplement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ...ve- LIMB2 repeat: matches 6063.
complement(27908. .28191)
/note="ma***
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22747. .23126
/note="L1 repeat: matches 4745. .5127 of
                                          /note="11 copies 4 mer caca 90% conserved" 30354. .30466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match: proteins: Sw:P29316 Sw:Q07761 Tr:Q9TNR9 Tr:048553 Sw:Q20647 Tr:081229 Sw:022644 Sw:P48162 Tr:097118"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         complement(27918.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note="AluJb repeat: matches 2. .312 of consensus" 27684. .27829
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="L1M2 repeat: matches 5391. .5471 of consensus"
27379. .27683
                                                                                       /note="8 copies 6 mer cacaca 87%
29662. .29705
                                                                                                                                                                                          join(28324. .28371,28947. .29064)
/note="match: GSS: Em:AQ178192"
28376. .28925
/note="MLT2B repeat: matches 1. .448 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   complement(28181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="match: GSS: Em:AQ236270"
complement(27918. .28199)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25028. . 25409
                                                                                                                                                /note="25_copies 4 mer aagg 76% conserved"
                                                                                                                                                                             29053. .29152
                                                                                                                                                                                                                                                                                                                                  28264. .28375
                                                                                                                                                                                                                                                                                                                                                                                                                                       28202. .28375
/gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note="match: GSS: Em: B56785"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    omplement(28093. .28377)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     seudogene)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "gene="bA446H13.2"
|oin(27994. .28372,28928. .29009)
|gene="bA446H13.2"
|note="bA446H13.2" (RPL23A (60S ribosmal protein 23A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note="match: GSS: Em:B74240"
|oin(27994. .28372,28928. .29009)
|GDDG="hai/fell? ""
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                                                                                                                                                                                                                                                            note="match: GSS: Em:AQ033673"
|oin(28324. .28371,28947. .2906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'gene="bA446H13.2"
                           'note="L2
                                                                                                                                                                                                                                                                                                         'gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                          'gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene="bA446H13.2"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               codon_start=1
                                                                                                                                                                                                                                                                                                                                                 note="match: GSS: Em:AQ145980"
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"L2 repeat: matches 2634. .2746 of consensus" .30954
                                                                                                                                  .29707
                                                                                                                                                                                                                                                                                                                                                                                                                   Em: AQ036657"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Em: AQ164257"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Em: AQ178192'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Em: AQ027573"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Em: B16501"
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                                                                                                         conserved'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .5630 of consensus"
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RESULT 40
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ORGANISM
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                                                                                                     AF176571
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1 (bases 1 to 1275)
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Zea mays
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7300 NW 62nd Ave., Johnston, IA 50131, USA
Location/Qualifiers
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RPHLVKEVHMQYLEAGADVIISSSYQATIPGFIARGMSVAEAEDLLRTSVKLANEARD
EFWKSTLRKSKPIYNRALVAASIGSYGAYLADGSEYSGSYGADITAEKLKDFHRRRLQ
VLASAGPDLLAFEAIPNQMEAQALVELLEEEKYQIPSWICFSSVDGKNLCSGESFADC
                                                                                                                                                                                                                                                                                                                                                                                                                                                        /product="homocysteine S-methyltransferase-1"
/protein_id="AAG22537.1"
/db_xref="GI:10732785"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note-"L1MC/D repeat: matches 5559.
complement(3526. .33068)
/note-"match: GSS: Em:AQ277814"
32562. .33031
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/db_xref="taxon:4577"
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alternata.
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                                                                                  alternata exoglucanase (C1) mRNA,
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1.00.0%; Pred. No. 0.0012;
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                                                                                  complete cds.
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                      Query Match
Best Local Similarity
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AX056994
                                                                                                                                                                                   Patent: WO 0075340-A 11 14-DEC-2000;
E.I. DU PONT DE NEMOURS AND COMPANY (US)
                                                                                                                                                                                                                    Butler, K.H., Famodu, O.O., Gutteridge, S. and Magnesium chelatase
                                                                                                                                                                                                                                                                                       Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I; Fabales; Fabaceae; Papillonoideae; Phaseoleae;
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Eshel,D., Prusky,D. and Dinoor,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exoglucanase of Alternaria alternata Unpublished 2 (bases 1 to 1409)
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1 (bases 1 to 1409)
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Pleosporales; Pleosporaceae; mitosporic Pleosporaceae; Alternaria;
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       Conservative
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                                                                                                            /organism="Glycine max"
/db_xref="taxon:3847"
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/protein_id="AAF05699.1"
/protein_id="AAF05699.1"
/db_xref="Gl:6179889"
/translation="MTWQSCTAKGSCTNKNGKIVIDANWRWLHKKEGYDNCYTGNEWD
ATACDDNKACAANCAVDGADYSGTYGTTAGSNSLKETITKGSYSTNIGSRTYLMKDD
TTYEMFKFTGNQEFTFDYDVSNIPCGFNGALYFYSMDADGGLKKYSTNKAGAKYGTGY
CDAQCPRDLKFINGEGNVEGWKFSSNDANAGVGGHGSCCAEMDIWEANSYSTAYTPHS
CSTIEDSRCDGDGCGGTYSADBYAGVCDPDGCDENSYENGVKDFYGKGKTVDTSKKFT
                                                                                                                                                                  Location/Qualifiers
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                                                                                  Homo sapiens, Similar to RIKEN CDNA 0610013117 gene, MGC:26926 IMAGE:4838423, mRNA, complete cds.
Homo sapiens
                                                              BC034500
BC034500.1 GI:21759790
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Cloning and partial characterization of an amiloride-sensitive sodium channel (fENC) from adult bullfrog skin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (22-MAY-2002) Physiology, Southern Illinois University, 1135 Lincoln Drive, Carbondale, IL 62901, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jensik, P.J., Holbird, D. and Cox, T.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AF514845.1 GI:21435743
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                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /translation-"MTITSNISRHSEVMIKRTKLYFTRALHRMQKGPGYTYKELLYWF
CNNTNTHGERKRIVSEGFKKRVMMFILTLIFAALVFMQKGVTOTYTLSYGYSVSLSIGF
RTMVFPAATVCNUVPERKYSRVKHLLHILDCLYDTALDRIOFSGJHSGHSKRIVNGON
VTLDPSLMNYMPLVVIDEHDPNNTIVYNIFDSSTDYSQINNATKGNQTFYAERYKYAI
ELCTNNRTQCSYRNFTSGAQAIKDWYLLQFSNIFSKIFBEKYKKMGYQAEDMILTCMF
GGQPGCYRNFTHIFHODGYGUYIFNMGGDEGELLESANPGADFGLKMVLDIDQKEYIF
GGQPGCYRNFTHIFHODGYGUYIFNMGGDEGELLESANPGADFGLKMVLDIDQKEYIF
FLQSTAAARIILHQQRSFPELKDLGIYAMPGTETSIAVLEDQTQHLEAPYSSCTYDGS
DIPVANIYSKENSSYSIGSCLRSCFQELMVKYCKCAYLLFPLLKGAHYCNNQEDDDWY
PCYYNLWDTYSHROGINGCOPPCNDSNYKMTISMADMPSAAAEDMIFHVLSYEKDTS
LDITVNRDGIMRLNIYFEEFNYSISESPTINVWLLSNLGGQFGFMMGGSVLCIIEF
GEIIICHTITLKILAMIRDRQKKRRPQYNDPPTVAELVEAYSNSGFQHEDSNQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STPIPGTPPPNYDSLRLKQIDAIDVISSDDE"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /tissue_type="skin epithelium" 168. .2135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /protein_id="AAM53958.1"
/db_xref="GI:21435744"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Rana catesbeiana"
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                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                            Score 26;
Pred. No.
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0.0037;
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                                                                                                                                                                                                                                                                                                                                    0,
                                                   KEYWORDS
SOURCE
                                                                                           ACCESSION
VERSION
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                                                                                                                                                          DEFINITION
                                                                                                                                                                                                  AF044209
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ORGANISM
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Best Local
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TITLE
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                                                                                                                                                                                                                                                                                                                                                                                                           1872 CAGTGTAAAAAAAAAAAAAAAAAAA 1897
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  Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                  Homo sapiens
                                                                                                                                 AF044209.1
                                                                                                                                                                                                 Homo sapiens nuclear receptor co-repressor N-CoR mRNA, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                . Similarity
26; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAK Plate: 34 Row: o Column: 3
This clone was selected for full length sequencing because it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tissue Procurement: Miklos Palkovits, M.D., Ph.D.

CDNA Library Preparation: Michael J. Brownstein (NHGRI) & Shirz
Toshiyuki and Piero Carninci (RIKEN)

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Institute for Systems Biology

DNA Sequencing by: Institute for Systems Biology

http://www.systemsbiology.org

contact: amadantsystemsbiology.org

Anup Madan, Jessica Pahey, Erin Helton, Mark Ketteman, Anuradha

Anup Madan, Jessica Pahey, Erin Helton, Mark Ketteman, Anuradha
                                                                                  Homo sapiens.
                                                                                                                                                         AF044209
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               passed the following selection criteria: Similarity but not identity to protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Clone distribution: MGC clone distribution information can be found
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: cgapbs-remail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Direct Submission
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AKKCNLTERQVERWFRARRNOERPSRLKKFQEACWRFAFYLITVAGIAFLYDKPWLYD
LWEVWNGYPKOPLLPSQYWYYILEMSFYWSLLFRLGETOVKRKDFLAHIIHHLAAISLM
SFSWCANYIRSGTLVMIVHDVADIMLESAKWSLESYAGWTQTCWFLFFIFSTIFFISRLI
VFPFWILYCTLILPMYHLEPFFSYIFLNLQLMILQVLHLYWGYYILKMLNRCIFWKSI
ODVRSDDEDYEBEBEBEBERATKGKENDCLKNGLGAERHLIPNGQHGH"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism-"Homo sapiens"
/db_xref="taxon:9606"
/clone="MGC:26926 IMAGE:4838423"
/tissue_type="Testis"
/clone_lib="NHH_MGC_97"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /product="Similar to RIKEN cDNA 0610013117 gene"
/protein_id="AAH34500.1"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /translation="MFWTFKEWFWLERFWLPPTIKWSDLEDHDGLVFVKPSHLYVTIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /codon_start=1
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Pred. No.
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                                                                                                                                                                                                                              7940 bp
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Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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0.0038;
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Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (22-JAN-1998) Hematology Branch, National Heart, Lung and Blood Institute, Bldg. 10, Rm. 7C103, 9000 Rockville Pike, Bethesda, MD 20892, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Proc. Natl. Acad. Sci. U.S.A. 95 (18), 10860-10865 (1998) 98393736
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Wang, J. and Liu, J.M.
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AT PRORKTANSOGRIKGR ITRAMINGAAAAAAA ATEEP PP PLIP PP PEP ISTEPVE
TSRWITEEEMEVAKKGLVEHGRIWAAIAKWGTKSEAOCK KNEYEN YK RRHULDULLOOH
KOKTSRK PREERD VSOCES VASTVSAOEDED IEAS NEEEN PEDSEVEAV KP SEDSPEN
AT SRGITEPAVELEPTTET APSTSPSLAVPSTK PAEDES VETOVUDS ISAETAROWD
DQEHSAEBGS VCD PP PATKADS VD VEVR VP BENHASK VEGDNTKERDLLORAS EKVEPR
DEDLYVAQQIHAQA PREPOSDINUS SATCSADED VDGE PERORMIP MOSK PSLLINPTGSI
LVSSPLKPNPLDLPQLOHRAAV I PPMVSCT PCNIP I GT PVSGY ALYORHIKAMHESAL
LEEQROROROGIDLECRSSTSPCGTSKS NREWEVLOPAPHOLITINLPEGVRLPTTRFT
RPPPRLIPS SKTTVASEK PSFIMGGSISOGTPOTVITTSHINQAS YTOETFK PSVGSISL
GLPROOESAKSATLY LY IKQEETS PRSONSQ PEGLIVRAOHEG VVRGTAGAIQEGSITR
GTPTSKISVESIP SLARGSITOGT PALPOTG I PTEALVKGSISHAKSKE VEGNIK VORGKEA
ASKGHVIYEGKSGHILSV DONIK NAREGTRS PRT HAE LIKRSY ESVEGNIK VORGKRE
SPVSAPLEGLIC RALPRGSPHSDLKERTVLSGSIMOGT PRATTESSFEDGLKY PKOIKR
ESPPIRAFEGAITKGK PYDGITTIK EMGRSIHEIPRODILT QESKT PEVVOSTRPII
ESSISOGT FKEDNINSOGOSAIKHNYKSLITGESKE LIGGT VFENIK VVERGKYE
ESSISOGT FKEDNINSOGOSAIKHNYKSLITGESKE KORT VYDDTGAS DEBENIK VVERGKYE
ESSISOGT FKEDNINSOGOSAIKHNYKSLITGESKE KORT VYDDTGAS DEBENIK VYDRAKKYE
ESSISOGT FKEDNINSOGOSAIKHNYKSLITGESKE KORT VYDDTGAS DEBENIK VYDRAKKYE
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GSPMANRTSDVTI PPINSTNHERKSTLTPTQRSSI PAKSPVEGVDPVVSHSPPDPHHR
GSTBMANRTSDVTI PPINSTNHERKSTLTPTQRSSI PAKSPVEGVDPVVSHSPPDPHHR
GSTBMARSTLTT PPINDAMPPHRALDPAAANLFORGLSPTPGYBSQYQLYAMBUTE
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TPLDPTAQLRIMPLPAGGPSISQGLPASRYNTAADALAALVDAAASAPOMDVSKTKES
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SSLSSHRYETPSDAIEVISPASSPAPPQEKLQTYQPEVYKANQAENDPTRQYEGPLHH
                                                                                                                                                                                                                                                       SRGHSFADPASNLGLEDIIRKALMGSFDDKVEDHGVVMSQPMGVVPGTANTSVVTSGE
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QTPGWAWEDRPSSTGSTQFPYNPLTMRMLSSTPPTPIACAPSAVNQAAPHQQNRIWER
                                                                                                                                                                                                                                                                                                                                                                             YRPQQESPSPQQQLPPSSQAEGMGQYPRTHRLITLADHICQITTODFARNQYSSQTPQ
QPTTSTTQNSPSALVSTPVRTKTSNRYSPESQAGSVHHQRPGSKYSPENLVDKSKGSR
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LPSFFTKLENTSPMVKSKKQEIFRKLNSSGGGDSDMAAAQPGTEIFNLPAVTTSGSVS
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NEKQMRQLSVIPPMMFDAEQRRVKFINMNGLMEDPMKVYKDRQFMNVWTDHEKEIFKD
KFIQHPKNFGLIASYLERKSVPDCVLYYYLTKKNENYKALVRRNYGKRRGRNQQLARP
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241. .7563
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    1.4%; Score 26; DB 9; 00.0%; Pred. No. 0.0039;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sulston, J.E. and Waterston, R.
Toward a complete human genome sequence
Genome Res. 8 (11), 1097-1108 (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AC005250 94336 bp DNA linear PRI 01-MAR Homo sapiens BAC clone CTA-318M5 from 7q22, complete sequence.
                                                                                                                                      Submitted (01-MAR-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6
                                                                                                                                                                                                                   Direct Submission
Submitted (03-FEB-2000) Department of Genetics, Washington
Submitted, 444 FF0 Forest Park Avenue, St. Louis, Missouri 63108, USA
5 (bases 1 to 94336)
                                                                                                                                                                                                                                                                                                Waterston, R
                                                                                                                                                                                                                                                                                                                                     Submitted (03-JUL-1998) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
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                        Contact: sapiens@watson.wustl.edu
                                                                              Center: Washington University Genome Sequencing Center Center code: WUGSC
Center project name: H_RG318M05
                                                              Web site:
                                                                                                                                                                                                                                                                                                                                                                               Submission
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                                                              http://genome.wustl.edu/gsc
                    Summary Statistics
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by This sequence was finished as follows unless otherwise noted: restriction digest.

MAPPING INFORMATION:

University Genome Sequencing Center For additional information about the map position of this sequence, see http://www.nhgri.nih.gov/DIR/CTB/CHR7, send mailto:egreen@nhari.nih.gov/ The sequence of this clone was established as part of a mapping and sequencing collaboration between the MHRI Chromosome 7 Mapping sequencing collaboration between the MRI Chromosome 1 Mapping Project (Eric D. Green, Director), John D. McPherson in the Project (Fric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington Department of Genetics (Washington University), and the Washington

Matches

Conservative

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Mismatches

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Gaps

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Actual start of this clone is at base position 1 of CTA-318M5;
actual end is at base position 94336 of CTA-318M5.
Location/Qualifiers
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/rpt_family="Alu" 6847. .7842
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547. .1005
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1773. .2057
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/db_xref="taxon:9606"
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Query Match 1.4%; Score 26; DB 9; Length 94336; Best Local Similarity 100.0%; Pred. No. 0.0046; Matches 26; Conservative 0; Mismatches 0; Indels
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1. .16402
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Search completed: November Job time: 7905.36 secs

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Db 83484 CAGTGTAAAAAAAAAAAAAAAAAAA 83459

1872 САСТСТААЛААЛААЛААЛААЛААЛАА 1897

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ALIGNMENT

SOURCE ORGANISM RESULT 1 BQ689771 LOCUS FEATURES COMMENT REFERENCE KEYWORDS VERSION ACCESSION DEFINITION AUTHORS TITLE source Contact: Robert Strausberg, Ph.D.
Email: ggapbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM2388 row: o column: 21
High quality sequence stop: 665.
Location/Qualifiers Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 888)

NIH-MCC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999) AGENCOURT_8344092 NIH_MGC_110 Homo sapiens cDNA clone IMAGE:6248684 5', mRNA sequence. Homo sapiens BQ689771.1 GI:21815087 þe

Result

Score

Match Length DB

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Description

Query

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48.7 46.6 43.5 42.5 41.3 40.9

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> BQ689771 AGENCOURT AL567376 AL567376 BG752229 602731372 BQ006545 UI-H-EII-AK012406 Mus muscu

AI936826 wp69h10.x

A1936826

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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/clone=lib="NIH_MGC_110"
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1 (bases 1 to 814)

Li.W.B., Gruber,C., Jessee,J. and Polayes,D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Technologies. Contact: Feng Liang Life Technologies, division of Invitrogen 9800 Medical Center Drive Rockvi, Maryland 20850, USA Fax: (1) 301 610 8371 Email: fliang@lifetech.com URL: http://fulllength.invitrogen.com" 228 c 210 g 205 t 10 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /lab_host="DH108"
/note="Organ: Fetal brain; Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the pCMVSPORT 6 vector. Library was constructed by Life
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/clone_lib="LTI_FL013_FBrn1"
/dev_stage="pooled tissue from
week, 24 week and 26 week)"
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High quality sequence stop: 770.
Location/Qualifiers
                                                                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                            NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
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                 /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:4875113"
/clone_lib="NIH_MGC_43"
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                                                                      CAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCAT
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     ACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCA 1368
                                     ACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGG
                                                                                                      TAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTC
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/note="Organ: eye; Vector: pOTB7; Site_1: XhoI; Site_2: ECCRI; cDNA made by Oligo-dT priming. Directionally cloned into EccRIXXhoI sites using the following 5' adaptor: GGCACGAC(G). Library constructed by Ling Hong In the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library. |"
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                                                                                                                                           CTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGAAGAGCAAC
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Tissue Procurement: Dr. Jose Mercuende
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
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//dev_stage="Adult"
//dev_stage="Adult"
//lab_host="DH10B (Life Technologies)"
//note="Organ: Left Pelvis; Vector: pT7T3-Pac (Pharmacia)
with a modified polylinker; Site_1: EcoR I; Site_2: Not I;
NCI_CGAP_EII is a normalized cDNA library containing the
following tissue(s): Chondrosarcoma. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand cDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to an EcoR I
adaptor, digested with Not I, and cloned directionally
into pT7T3-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(dT)18 tail. The sequence tag for this library is
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/clone_lib="NCI_CGAP_EI1"
/tissue_type="Chondrosarcoma"
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Shibata,K., Itoh,M., Aizawa,K., Nagaoka,S., Sasaki,N., Carninci,P., Konno,H., Akiyama,J., Nishi,K., Kitsunai,T., Tashiro,H., Itoh,M., Sumi,N., Ishi,Y., Nakamura,S., Hazama,M., Nishine,T., Harada,A., Yamamoto,R., Matsumoto,H., Sakaguchi,S., Ikegami,T., Kashiwagi,K., Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E., Watahiki,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura,S., Kawai,J., Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and Hayashizaki,Y.
                                                                                                                                                                                                                     Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y. Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new common Res. 10 (10), 1617-1630 (2000)
                                                                                                                                                                                                                                                                                                                                                                                                    Carninci,P. and Hayashizaki,Y.
High-efficiency full-length cDNA cloning
Meth. Enzymol. 303, 19-44 (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AK012406 110ear HTC 19-JAN-Mus musculus 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2700050C12:BRAIN CDNA, CLONE MNCB-0671,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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A, RIKEN full-length
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                                                                                                                                                                                                                        Submitted (10-JUL-2000) Yoshihide Hayashizaki, The Institute of Physical and Chemical Research (RIKEN), Laboratory for Genome Exploration Research Group, RIKEN Gemomic Sciences Center (GSC), RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (B-mail:genome-res@gsc.riken.go.jp, URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222, Fax:81-45-503-9216)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Functional annotation of a full-length mouse cDNA collection Nature 409 (6821), 685-690 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         further details.
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/strain="C57BL/GJ"
/db_xref="FANTOM_DB:2700050C12"
/db_xref="MGD:MGI:1905429"
/db_xref="taxon:10090"
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                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 678)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
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Tissue Procurement: David N. Louis, M.D.,
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                                                                                                                   Bonaldo, Ph.
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   DNA Sequencing by: Washington Clone distribution: NCI-CGAP
                                                           cDNA Library Arrayed by: Greg Lennon, Ph.D.
                                                                                                                                             cDNA Library
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                                                                                                                                             Preparation: M. Bento Soares, Ph.D.,
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www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1143 Std Error: 0.00
Seq primer: -40UP from Gibco
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Tissue Procurement: Invitrogen
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National Institutes of Health, Mammalian
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/clone="IMAGE:5727798"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cDNA Library Preparation: Ling Hong/Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov Plate: LLCM111 row: c column: 19
High quality sequence stop: 721.
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Tissue Procurement: DCTD/DTP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unpublished (1999)
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/c
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/db_xref="taxon:9606"
/clone="IMAGE:3141450"
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Gene

Collection (MGC)

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Euteleostomi;

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                                             GGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCT 1309
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CDNA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov
Plate: LLCN285 row: g column: 09
High quality sequence stop: 653.
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1 (bases 1 to 676)
NIH-MCC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae
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/lab_host="DH103 (phage-resistant)"
/lab_host="Drgan: skin; Vector: pOTB7; Site_1: XhoI; Site_2:
/note="Organ: skin; Vector: pOTB7; Site_1: XhoI; Site_2:
/note="Organ: skin; Vector: pOTB7; Site_1: XhoI; Site_3: Directionally
cloned into EcoRI/XhoI sites using the following 5;
adaptor: GGCAGGAG(G). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
68 a 172 c 199 g 137 t
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/clone_lib="NIH_MGC_20"
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                921 TCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAG 980
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cDNA Library Preparation: M. Bento Soares, Ph.D. cDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.linl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Burt Feuerstein, M.D., Mark Israel,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dases 1 to 590)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Possible reversed clone: similarity on wrong strand Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished (1998)
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Location/Qualifiers
                                                                    Conservative
                                                                                                                                                                     /clone_"IMAGE:2620569"
/clone_lib="NCI_CGAP_Brn50"
/tissue_type="medulloblastoma"
/lab_host="DH10B (phage resistant)"
/lab_host="DH10B (phage resistant)"
/note="Organ: brain; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; 1st strand cDNA was prepared from medulloblastoma tumor tissue, and was then primed with a Not I - oligo(dT) primer. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. This library is normalized. Library constructed by Bento Soares and M. Fatima Bonaldo. "
42 a 196 c 160 g 191 t 1 others
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/db_xref="taxon:9606"
                                                                                     39.5%;
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Pred. No. 8.3
Mismatches
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                                           Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D., Ph.D., Michael
                                                                                                                                                                                                                                                                                                                               649 bp mRNA linear EST 22-MAR-2000 hg51el2.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2949166 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
   Bonaldo,
                                                                                                                                     NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
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R. Emmert-Buck, M.D., Ph.D.

cDNA Library Preparation: M. Bento Soares, Ph.D.,

sonaldo, Ph.D.
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cDNA Library Arrayed by: Greg

A Library Arrayed by: Greg Lennon, Ph.D.
Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:

image.llnl.gov/image/html/iresources.shtml

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51 CGGGGGAGTTGGCTGTTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1

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                      CGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
                                                                                                       TGTTGGACTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACC 1548
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                                                                 TGTTGGACTTGACAGCTTCTTTTGCCACAAGCAAGAGAATTTAACACTGTTTCAAAACC
                                                                                                                                                                                                                                                                                  GGAGGGAGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCA 1428
Possible reversed clone: similarity on wrong strand
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="Vector: pf77T3D-Pac (Pharmacia) with a modified /note="Vector: pf7TT3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Plasmid DNA from the normalized library NCI_CGAP_GC4 was prepared, and scircles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified CDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1257096-1258631, 1469064-1470983, and 1475592-1476743). Subtraction by Bento Soares and M. Fatima Bonaldo. "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /tissue_type="pooled germ cell tumors"
/lab_host="DH10B"
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/clone_lib="NCI_CGAP_GC6"
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Pred. No. 4.3e-109;
0; Mismatches 7; 1
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MEDLINE
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Local Similarity
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UT-E-DW1-ahd-c-11-0-UT.S1 UT-E-DW1 Homo sapiens cDNA clone
UT-E-DW1-ahd-c-11-0-UT 3', mRNA sequence.

BM669397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: msoares@blue.weeg.ulowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa
DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
Olone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tel: 319 335 8250 Fax: 319 335 9565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Soares,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97044477
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Bonaldo, M.F., Lenno
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            University of Iowa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genome Res. 6 (9), 791-806 (1996)
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                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                    /lab_host="Dubb" (Life Technologies) (T1 phage resistant)"
/lab_host="Dubb" (Life Technologies) (T1 phage resistant)"
/note="Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not I;
UI=::DM1 is a normalized cDNA library containing the
following tissue(s): lens. The library was constructed
according to Bonaldo, Lennon and Soares, Genome Research,
6:791-806, 1996. First strand cDNA synthesis was primed
with an oligo-dT primer containing a Not I site. Double
stranded cDNA was ligated to an EcoR I adaptor, digested
with Not I, and cloned directionally into pT7T3-Pac
vector. The oligonucleotide used to prime the synthesis of
first-strand cDNA contains a library tag sequence that is
located between the Not I site and the (dT)18 tail. The
sequence tag for this library is CGATTAGCGA. This library
was created for the program, Gene Discovery in the Visual
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                                                                                                                                                                                                                               TAG_TISSUE-human lens
TAG_SEQ-CGATTAGCGA"
180 c 145 g
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/clone_lib="UI-E-DW1"
/tissue_type="lans"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                            System, supported by National Eye Institute (NEI). TAG_LIB=UI-E-DW1
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Pred. No. 1.3e-108;
                                                                                                       Mismatches
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                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                       NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 743)
                                                                                                                                                                                                                                                                                                                                                                                                                    BE395797 743 bp mRNA linear EST 21-UC 601310028F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3631543
                                                                                           found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                   mRNA sequence
BE395797
                                                                                                                      cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information ca
                                           quality sequence stop: 600.
Location/Qualifiers
                                                                          LLCM321 row: h column: 08
/organism="Homo sapiens"
/db_xref="taxon:9606"
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                              1127 GCAC 1130
                                                                                                                                                1009 ACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGC--TGTCGGTGGT
                                                                          1067 GGAGTGCGCATGTACGCGCAGGCGCTCTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCA 1126
                                                          361
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGGGCTCGGCTCGAAAAGTGCTTAAGAAATCTTCTCAGTTCTCCTTGCAGAGG
                                                                                                                                                                                                                                                                                                        CTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGG
                                                                                                                                                                                                                                                                                                                       CTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGG
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                                                                                                                    ACTGTGGCGGGACGCGAAGAAGCCACGGGCGCGCTGGCCAAAGGCCGGCGCGTGTCACGTGGT
                                                                                                                                                                                                                                                                           CTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACT
                                                                                                                                                                                                                                                                                                                                                                                    TGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGG
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                                                                                                                                                                                                                                                                                                                                                                      TGAGACTGCAGAGTGAGGTTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTG 528
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone="IMAGE:3631543"
/clone_lib="NIH_MGC_44"
/tissue_type="endometrium, adenocarcinoma cell line"
/lab_host="DH10B (phage-resistant)"
/note="Organ: uterus; Vector: pOTB7; Site_1: XhoI; Site_2:
ECORI; CDNA made by oligo-dT priming. Directionally
cloned into ECORI/XhoI sites using the following 5'
adaptor: GGCACGAG(G). Library constructed by Ling Hong
in the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-CDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
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92.3%;
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RESULT 14 AI990500/c

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VERSION
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TITLE
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Best Local :
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                                               1223 AGAAGGGGAGGAGCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1282
                                                                                                                                                                                                                                                                                                      556
                                                                                                  437
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          983 AATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTG 1042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                    GGCGTGCTGCAGCGACAGGCGGCAGCACCAGCACCCTTGCACGAACACCCCGCCGAAACTGCT 1162
                                                                                                                                                                                                                                                                                                      CACAAAGCGGGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTT 497
                                                                                                                                                                                                                                                                                                                                                     CACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTT 1102
                                                                                                                                                                                                                                                                                                                                                                                                          AATCTTCTCAGTTCTCCCTGCAGAGGACTGGCGCGGGGGACGCGAAGAGCAACGGGCGCTG 557
                                                                                                                                                    GCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCG 122
AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT
                                                                                                    GCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAAACGTCTCCG
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DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1212 Std Error: 0.00
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumor Gene Index
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="Voctor: pT7T3D-Pac (Pharmacia) with a modified /note="Voctor: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Plasmid DNA from the normalized library NCI_CGAP_GC4 was prepared, and scircles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified CDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1257096-1258631, 1469064-1470983, and 1475592-1476743). Subtraction by Bento Soares and M. Fatima Bonaldo. "a 182 c 147 g 167 t
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/db_xref="taxon:9606"
/clone="IMAGE:2499661"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /tissue_type="pooled germ cell tumors"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="NCI_CGAP_GC6"
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99.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -40UP from Gibco
High quality sequence stop: 459.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Robert Strausberg, Ph.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unpublished (1997)
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National Cancer Institute, Cancer Genome Anat
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BF439382.1 GI:11451899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (bases 1 to 696)
Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 5 libraries. The pools consisted of the following libraries and cloneIDs: Soares NbHSP pool 1: 309384-310919, 332208-325895 Soares NbFP pool 1: 145032-147335, 147720-148103, 148872-149255, 15002-150407, 151176-152327 Soares NbHFP 99W pool 1: 758280-760583, 772104-774407 Soares NbHFP pool 1: 304776-306311, 320136-322823, 326280-32663 Soares NbHOT pool 1: 723720-726407, 739080-740999 Subtraction by Bento
                                                                                                                                                                                                                                                                     /note-"Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Equal amounts of plasmid DNA from five normalized libraries were mixed, and ss circles were made in vitro.
                                                                                                                                                                                                                                                                                                                                                                     /clone="IMAGE:3272627"
/clone_lib="Soares_NSF_F8_9W_OT_PA_P_S1"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/db_xref="taxon:9606"
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Soares and M. Fatima Bonaldo

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ATGCTTTAGACAGTGTAAAAA 1604 	AGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAG	AGAGAATTTAACACTGTTTCAAACCCGGGGGGAGTTGGCTGTGTTAAAGAAAG	CCAGGAAATGGTACCAATTTTTCAGTGTTGGACATTGACAGCTTCTTTTGCCACAAGCAAG	CCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGCAAG	AGAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGG 142	AGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGG 1463	AATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAAAAAA	AATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGAGAG	GGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAAC 262	GGCCGCAGCCATGATCCTCCGAATCTGGGTTTGGGCATCCAGCATACGGCCAATGTCACAAC 1343	GAAGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTT 322	GAAGGGGAGGAGGATCATGTACGCCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTT 1283	CGAGGACACCGTGTACAGGAGGGGGTTGATGACCGAGGTGAGGTAGAAAAACGTCTCCGA 382	CGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGA 1223	GCGTGCTGCAGCGACAGGCGCACACACACCC-TGCACGAACACCCGCCGAAACTGCTG 442	GCGTGCTGCAGCGACAGCGGCAGCACCAGCACCCTTGCACGAACACCCCGCCGAAACTGCTG 1163	ACAAAGCGGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTG 501	ACAAAGCGGGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTG 1103	AATCTCTCAGTTCTCC-TGCAGAGGACTGGCGCCCGGACGCGCAAGAGCAACGGGCGCTGC 561	ATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGCGAAGAGCAACGGGCGCTGC 1043	AGATTCAATGACT-GGACTTAGACT-GGGCTCGGCCTCGAAAAGTGCTAAAAA 620	AGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAA 983	tch 37.0%; Score 599.4; DB 12; Length 696; al Similarity 97.4%; Pred. No. 6.2e-106; 663; Conservative 0; Mismatches 11; Indels 7; Gaps 5;	138 a 202 c 164 g 192 t

Search completed: November 7, 2002, 15:02:50 Job time: 2182.96 secs

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Minimum DB seq length: 0
Maximum DB seq length: 200000000
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                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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SUMMARIES
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
Novel ovarian cancer polypeptide and polynucleotide, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy; cytostatic; gene; ss.
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Query Match
Best Local S
Matches 1897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim
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AGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCCTCCTGCATTGTTC
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1860	AACACTGTTTCAAACCCGGGGGAGTTGGCTGTTAAAGAAAG	1801	Db
1860	AGAGAATTTAACACTGTTTCAAACCCCGGGGGAGTTGGCTGTGTTAAAGAAAG	1801	Qy
1800	GCCAGGAAATGGTACCAATTTTTCAGTGTTTGGACTTGACAGCTTCTTTTGCCACAAGCAA	1741	Db
1800	CCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGC	1741	Qy
1740	GAGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTG	1681	Db
1740	agaacacagtaaatgaataaaaccataaaatatttagcccctctgttctgtgcttact		ρ
1680		φ.	Db
1680	AATCAGCCCTGGGCAGACACGAGCAGGAGGAGAGAGAAAAAGAAAAACACAGCA		Qy
1620	TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA	1561	Db
1620	GGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCAC		Qy
1560	AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT	1501	Дb
1560	GGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT	1501	Qy
1500	GCGAGGACCCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCG	1441	Db
1500	CGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCC		Qy
1440	TGGCGTGCTGCAGCGACAGGCGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGCT	1381	Db
1440	GGCGTGCTGCAGCGACAGGCGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGC	1381	Qy
1380	GCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGT	1321	Db
1380	CACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGG	1321	Qy
1320	AAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGCCCT	261	Db
	TTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGC	61	Qy
1260	CGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCCTCTGAAAAGTGCTTAAGA		당
1260	GAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAG	1201	Qy
1200	GAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACT	1141	Db
1200	AAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGAC	1141	Оу
1140	GCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCT	1081	Db
1140	GCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCC	1081	Qy
1080	CATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAG	1021	Db
1080	ATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGA	1021	Qу
1020	AGAGTCWGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTC	961	망
1020	GAGTCWGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGT		Qy
960	AGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGC	901	Db
960	GGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGG	901	Qy
900	CTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGA	841	Db
900	TCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAG	841	Qy

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ABL40352
                                                                                                                                   The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are consecutive of the convention are consecutive of the convention are consecutive of the convention are consecutive of a cancer in a patient, for stimulating and/or convention of a cancer in a patient. They are also useful for the convention of a patient and for determining the presence of a cancer in a patient. CC apatient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their convention are also useful for inhibiting expression of tumour colls. Polypeptides and for designing and convention are also useful in recombinant DNA molecules to direct convention are also useful in appropriate NA molecules. The current convention are also useful in appropriate NA molecules. The current convention are also useful in appropriate NA molecules.
                                                 Matches
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15-AUG-2000;
07-SEP-2000;
                                                                                                           Sequence 1897 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                 Claim la; Page 127-128; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (XUJJ/)
(STOL/)
(ALGA/)
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                1 GCCAACTCCGGAGGCTCTGGTGCTCGGCCCGGGAGCGCGAGCGGAGGAGCAGAGACCCG
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) XU J.
) STOLK J A.
) ALGATE P A.
) FLING S P.
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                          antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungloide; ophthalmological; gene therapy; autoimmune disease; neoplasm rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebral ischaemia; anglogenesis; nervous system disorder; Alzheimer's disease; infection; anglogenesis; nervous system disorder; blachmer's disease; infection; coular disorder; corneal infection; wound healing; skin aging;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF22400 standard;
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                                                                                                                                                                                                                                                                                                                                                             secreted protein gene 28
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preservative;
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                                                                                                                                                                                neoplasm;
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                                                                                                                                                                                                                                                                                                                                                                            cc and polypeptides homologous to them. Human secreted proteins have care and polypeptides homologous to them. Human secreted proteins have cc activities based on the tissues and cells the genes are expressed in. Cc Examples of activities include: immunosuppressive; antiarthritic; cc antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; cused to prevent, treat or amedical condition in e.g. humans, cc used to prevent, treat or amedical condition or susceptibility to a pathological condition. Disorders which are diagnosed or treated include cc pathological condition. Disorders which are diagnosed or treated include cd disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral cc disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral cc disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin cc aging due to sunburn, to maintain organs before transplantation, for c supporting cell culture of primary tissues, to regenerate tissues and in chapters and AAB53133 represent sequences used in the exemplification of the prevent sequences used in the exemplification of the present invention.
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                                                                                                                                                        CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 138
                                                                                                                                                                                          GGTGCTCGGCCCGGGAGCGCGAGCGGGAGGAGCAGCAGCCGGAGCCGGGAGCCCGAGCG
                                                 CGCGGCAGCAGCGGGGCCCCAGCAGCCTCGGCAGCCACCAGCCGCTGCAGCCGGGGCAGC
                                                                                  CGCGGCAGCAGCGCGGGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCAGC 198
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                                                                                                                                                                                                                                                                                Similarity
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                                                                      TTGCAGAGGACTGGCGCGGGCGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT 1338
                                                                                                                                                                                    CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG
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                                                                                                                                ACTTAGACTGGGGCTCGGCCTCGGTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC
                                                                                                                                                                                                                      CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG
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                                                                                                            ACTTAGACTGGGGCTCGGCTCGGTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; secreted protein; immunosuppressive; antiarthritic; antirheumatic;
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01-JUN-2000; 2000WO-US14973

(HUMA-) HUMAN GENOME SCI INC (ROSE/) ROSEN C A.

11-JUN-1999;

99US-0138630

Rosen CA, Ruben SM, Komatsoulis

WPI; 2001-071258/08 P-PSDB; AAB75518.

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Nucleic acid molecules encoding human secreted proteins, used 'n

Human secreted proteins AAB75506 - AAB75554 are encoded by polynucleotide sequences AAF64176 - AAF64224. The specification includes amino acid sequences AAB75555 - AAB75606 which represent fragments of the human secreted proteins, and protein sequences with which they share homology. The proteins and polynucleotides, their agonists and antagonists have activities dependent on the tissues and cells in which they are expressed, examples of these activities include, immunosuppressive; antiarthritie; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; and vulnerary. The proteins, polynucleotides, agonists and antagonists can be used to treat or detect or diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. Included in the invention are polynucleotide sequences AAF64167 - AAF64175 and peptide AAB75505 which are used in the isolation, identification and characterisation of the proteins of the invention. preventing, treating or ameliorating Parkinson's diseases and cancers -Claim 1; Page 443-444; 542pp; English. or ameliorating a disorder, e.g. Alzheimer's and

Sequence 1956 BP; 430 A; 543 C; 524 G; 456 T; 3 other;

Best Local Sir Matches 1856;

Local Similarity

99.8%;

Score 1586; DB 22; Length 1956; Pred. No. 0;

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1579 TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1638 	Qy Db
1519 TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 1578	Qy Db
1459 GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA 1518 	Qy
1399 GGCGGCAGCACCAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA 1458 	Qy Db
1339 CGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 1398	Qy Db
1279 TTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT 1338	Qу
1219 ACTTAGACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC 1278 	Qу
1159 CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG 1218 	Qу
1099 CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG 1158 	Фр
1039 GGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC 1098 	Оy
979 TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG 1038 	Фр
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859 ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 918 	Qу
799 GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA 858 	Qy
739 ACCCCCACCTCACTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 798	D dy
679 CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA 738	dd V
619 CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA 678	Qy Db
559 CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC 618 	Qу

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15-SEP-2000
10-NOV-2000
10-NOV-2000
20-DEC-2000
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20-DEC-2000
20-DEC-2000
20-DEC-2000
20-DEC-2000
  One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumours
                                                            Grimaldi JC,
                                                                       Baker KP,
                                                                                                                                                                                                                                                                                                                                                                                 Human; secreted protein; PRO; tumour; lung cancer; colon cancer; breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; chondrocyte cell proliferation; tumour necrosis factor-alpha; gene; ss.
                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                              29-JUN-2001;
                                                                                                                                                                                                                                                                                                                                                  WO200208288-A2
                                                                                                                                                                                                                                                                                                                                                                    Homo
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C. Gurney AL,
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2000US-220585P.

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2000US-0747259.
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2000WO-US23522.
                                                                                                                                                                                                                                                                                                                                                                                                                                human PRO protein,
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                                                         Gerritsen ME, Goddard
Smith V, Stephan JF,
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                                                  Goddard A, Guerra Watanabe C
                                                                  Godowski PJ;
                                                           CK,
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Lung

cancer,

colon cancer, breast tumour, prostate tumour, rectal

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AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAA

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to one hundred and twenty two nucleic acids
cencoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
cencode human secreted proteins. The PRO nucleic acids, polypeptides,
cagonists and antagonists are useful for treating a PRO related disorder.
The PRO polypeptides are useful for diagnosing tumours, especially lung
cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
liver tumour. The PRO polypeptides are useful for stimulating the
creation of, or gene expression, in pericyte cells, for stimulating
the proliferation or differentiation of chondrocyte cells, for
stimulating the release of tumour necrosis factor-alpha from human blood,
for stimulating the release of tumour necrosis factor-alpha from human dermal
creations in molecular typing. The PRO nucleic acids have
applications in molecular biology, including use as hybridisation probes,
and in chromosome and gene mapping. ABK3353-ABK33657 represent human
creations in molecular biology, including use as hybridisation probes,
and in chromosome and gene mapping. ABK3356-ABK33657 represent human
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CCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTTCCTTTTATTCTGGGTAGGGAGCGGG
                                                                 TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCAA
                                                                                   TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTGGCCCCCAA
                                                                                                                                 CTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACAC
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99.9%;
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                Human; ovarian cancer; ovarian carcinoma;
cytostatic; gene; ss.
                                             Human ovarian
                                                              05-SEP-2002
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Homo sapiens
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                                                                                                                                                        ACGAGCAGGAGGGAGAGACAGAGA 1663
                                                                                                                                                                                   CCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGAC
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                                                                                                                                                ACGAGCAGGAGGGGAGACAGAGA 1524
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                                            carcinoma associated coding sequence SEQ ID NO:
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                         gene therapy;
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Matches 1616;
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer \frac{1}{2}
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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                                              CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 519
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              CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT
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Stolk JA, Algate PA,
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Query Match Best Local Similarity

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                            development of a cancer in a patient. They are also useful for a stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the extended CDNA sequence of ovarian carcinoma isolate 57887 given in record ABL48956.
                                                                                                                                                                                                                        The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the expanding T-cells specific for a tumour protein, and for inhibiting the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-AUG-2000;
07-SEP-2000;
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01-MAY-2000;
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Sequence 1619 BP;
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 399 A; 415 C; 432 G; 373 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC stimulating an immune response in a patient, and for treating a cancer in CC a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC polypeptides in tumour cells. Polypeptides and polynucleotides of the CC invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate host cells. The current CC sequence represents the ovarian carcinoma OS91S nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Sim
Matches 1616;
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                                                                                                                           CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 339
                TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
                                                           CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT
                                                                                                                                                                                          CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
   TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTAAC
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                                         CAGCTTCTTTGCCACAAGCAAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGG
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CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGGACTTGA
                                                                                                 CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGGACTTGA
                                                                                                                                             AGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTAG
                                                                                                                                                                              CAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGGGAGAGAC
                                                                                                                                                                                         CTCGTCCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATC
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RESULT 10
AAF93845
ID AAF93845 standard; cDNA; 1890 BP
XX
AC AAF93845;
XX
DT 23-MAY-2001 (first entry)
XX

Human cDNA encoding a membrane or secretory protein clone PSEC0181.

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                                        В
                                                                                                                                                                                                                                                                                                                                                                                                    which encode human secretory or membrane proteins represented by

CC AAB88317 - AAB88419. Included in the invention are primers

CAAP83917 - AAB88419. Included in the invention are primers

CC AAP83917 - AAB88419. Included in the invention also includes methods for

CC chaps and AAF62232 - AAF62235 which also includes methods for

CC chaps and company and company and company and company

CC can be used in gene therapy. The polynucleotide sequences and the

CC diagnosis of diseases associated with inappropriate secretory

CC proteins they encode may be used in the prevention, treatment and

CC diagnosis of diseases associated with inappropriate secretory

CC protein/membrane protein expression. The nucleic acids and complementary

CC sequences may also be used as DNA probes in diagnostic assays

CC (e.g. polymerase chain reactions (PCR) to detect and quantitate the

CC presence of similar nucleic acid sequences in samples. They may also be

CC used to study the expression and function of secretory proteins/membrane

CC polypeptides and their role in metabolism. The polypeptides may be used

CC agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents to down regulate expression and activity. The antibodies may also

CC used as diagnostic agents for detecting the presence of the

CC polypeptides in samples (e.g. by enzyme linked immunosorbant assay

CC (ELISA). Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                    Sequence 1890 BP; 419 A; 528 C;
                                                                                                                                                                                                                                                                                                                                                                                            arthritis and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; SEQ ID 203; 609pp + CD ROM; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development -
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11-JAN-2000; 2000JP-0118775.
02-MAY-2000; 2000JP-0183766.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; secretory protein; membrane protein; vaccine; gene therapy;
rheumatoid arthritis; diabetes; ss.
199 CTCCGCTGCTCGCCTCCTCTGATGCGCCTTGCCCTCCCCGGGCCCCCGGGACTCCGGGAG
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                                                                                                                                                                                                                                                                            1854;
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DB; AAB88418.
                                        CGCGGCAGCAGCGGGGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCAGC
                                                                            CGCGGCAGCAGCGCGGGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCAGC
                                                                                                                CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 152
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                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                     70.8%; Score 1344; DB 22; Length 1890;
99.7%; Pred. No. 0;
Live 0; Mismatches 3; Indels 3;
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1337	CTTGCAGAGGACTGGCGCCGGGACGCGAACGGGCGCGCTGCACAAAGCGGGCGCTG	1278	γQ
1290	ACTTAGACTGGGGCTCGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC	1231	рь
1277	CTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCT-	1219	Qy
1230	AATTGGCTGGTTTCGCG	1171	DЬ
1218	AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGG	1159	Qy
1170	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAAACCATTCTCTGCAG	1111	ДЬ
1158	ACTCAAGGCTCCCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGC	1099	Оу
1110	GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	1051	Db
1098	CATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTC	0	Qy
1050	TCACTGAGGTGGGCATCTGCTATTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG	991	Db
1038	CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGG	7	Qy
	TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	931	Db
978	CCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAA		Qy
	ATAAATTCAGCTTGACTGAATTTTCAGTATGTACTTGAAGGAAG	871	ДЪ
918	TAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAG	859	Qу
870	GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA		Db
858	AGTCCGTGTTCTCTTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTG	799	Ωу
810	ACCCCCCACCTCCCTGAGTGTCTTCTTCTTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG	751	Db
798	CCCCCACCICCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCG	739	Qy
750	CTGCTGAA-CTGAAGGAGATGCCACCCCCCCCCCTGCATTGTTCCTTCC	692	Дb
738	TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTCGCCCCC	679	Qy
9	CTCAGGCCAGGCTCCGCACCATCCTGTTCCTCAAATTAG-CCTCTTCTCTGGCACA	633	Db
678	CTCAGGCCAGGGCTCCGCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCAC	619	Qy
ū	TICAACACCCCTCTTGTAACGGCCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC	573	Db
618	GCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGG	559	Ωy
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5	CGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA	393	Дb
438	GAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA	379	Qy
392	GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCC	333	Db
378	CTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCC	319	γQ
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2000US-199908P
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                                                                                                                                                               Location/Qualifiers 42..1403
                                                                                                        /product= "Human GPCR 4941"
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the specification"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to a method for identifying a nucleic acid molecule (G protein coupled receptor gene, GPCR 4941) associated with a cardiovascular or tumourigenic disorder. The method comprising contacting a sample containing a nucleic acid molecule with a hybridisation probe or amplification primers and detecting the presence. The invention is used in gene therapy. The method of the invention is used for identifying nucleic acids or polypeptides associated with a cardiovascular or tumourigenic disorder such as aberrant angiogenesis, aberrant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Identifying nucleic acids for the diagnosis and treatment of cardiovascular and tumorigenic disorders, comprises identifying protein coupled receptor (GPCR)-4941 \,-
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                               AGGGAGCGGGAGTCCGTGTTCTTTTTTTTCTTCCTGTGCAAATAATGAAAGAGCTCGGTAAA
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     Human; ovarian antigen; ovary; ovarian; breast; cancer; tumour; ovarian cancer; breast cancer; tumour; reproductive system disorder; infertility; pregnancy disorder; anovulation; polycystic ovary syndrome; PCOS; ovarian cyst; dysmenorrhoea; endocrine disorder; infection; inflammatory condition; immune disorder; blood disorder; cardiovascular disorder; respiratory disorder; neurological disorder; gastrolntestinal disorder; urinary system disorder; drug screening; gene therapy; chromosome mapping; forensic analysis; antibody preparation; cytostatic; immunomodulatory; neuroprotective; antibody preparation; cytostatic; immunomodulatory; neuroprotective; antibody greparation; cytostatic; reproductive; chromosome 2q21-22;
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CAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAA CAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAA 686 Matches Query Match Best Local :

1250;

Conservative

Similarity

60.6%;

Score 1150; Mismatches

DB 24; 2

Length 1608;

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Gaps

340

Sequence 1608 BP; 402 A; 402 C; 417 G; 381 T; 6 other;

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401

CCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGT CCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGT GCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCAACCCCCCA GCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCCAACCCCCCA

400

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The invention relates to 2175 novel human ovarian antigens (ABP41054-CC ABP43228) and to cDNAs encoding them (ABQ54131-ABQ56305), and also CC encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to CC recombinant vectors and host cells comprising human ovarian antigen CC polynucleotides, antibodies against human ovarian antigens, and the use CC of ovarian antigen polynucleotides and polypeptides in diagnosing, cCC treating, prognosing or preventing various ovary and/or breast related CC disorders. Such conditions include ovarian cancer and breast cancer, and CC disorders. Such conditions include ovarian cancer and breast cancer, and CC disorders (e.g., infertility, disorders of pregnancy anovulation, cCC polycystic ovary syndrome, ovarian cysts, and dysmenorrhoea), endocrine CC disorders, infections (e.g., chlamydia, HIV, toxoplasmosis, and toxic shock syndrome), inflammatory conditions (e.g., mastitis, oophoritis and conditions), immune disorders (e.g., congenital and acquired immuneodeficiencies, autoimmune oophoritis, systemic lupus erythematosus), blood-related disorders (e.g., anaemia), cardiovascular disorders (e.g., anaemia), cardiovascular disorders
                                                                                                                            respiratory disorders, neurological disorders, gastroIntestinal disorders and uninary system disorders ovarian antigen polypeptides and polynucleotides may also be used in screening for compounds which modulate ovarian antigen expression or activity. The polynucleotides may further be used for gene therapy, chromosome mapping, in the identification of individuals and in forensic analysis, and the polypeptides may be used as food additives or to prepare antibodies useful in disease diagnosis, drug targeting and phenotyping. The present sequence represents cDNA encoding a human ovarian antigen of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID No 111; 2922pp; English.
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                                          ftp.wipo.int/pub/published_pct_sequences.
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                                                                The sequence data for this patent did not form fication, but was obtained in electronic format
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              CGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 1878
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 CGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA
                                                                           TGTTGGACTTGACAGCTTCTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACC
                                                                                                                      TAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAG
                                                                                                                                                                                    GGAGGGAGAGAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATRAATAAAACCA
                                                                                                                                                                                                                                                 TGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCA
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                                                            TGTTGGACTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACC
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                                                                                                                                                                                                                                                                         and coding sequences. treatment of ovarian c of the invention.
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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                                                                                                                                                                                                                                                                                                                                               Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                 1571
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABT03280 standard;
                                                      1511
                                                                                                                                                                                                                                                        Sequence 625
                                                                                                                                                                                                                                                                                                                       Claim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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301
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                                                                                                                                                                                  μ
                                                                                                                                                                                                                                                                                  present invention provides human ovarian cancer associated proteins coding sequences. The sequences can be used in the diagnosis and atment of ovarian cancers. The present sequence is a coding sequence
GGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG
                                                                       CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
                                                                                                           CAGCGACAGGCGGCAGCACAGCACCTGCACGAACACCCGCGAAACTGCTGCGAGGACAC
                                                                                                                                                                                   AGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCG
                                                                                                                                                                                                                      606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ovarian carcinoma associated coding sequence
                                                                                                                                                                                                                                                                                                                       2; Page 194;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ovarian
                                                                                                                                                                                                                                                                                                                                                                                                      Stolk JA,
                                                                                                                                                                                                                               Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    625
                                                                                                                                                                                                                                                                                                                       English.
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                                                                                                                                                                                                                               Score 606; DB 24;
Pred. No. 5.4e-234
                                                                                                                                                                                                                                                                                                                                                                                                      Fling SP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             carcinoma;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gene
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RESULT 14
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     The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the expanding an immune response in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their
                                                                                                                                        Ovarian tumour polypeptide and prevention and/or treatment of
                                                                                                                                                                                                                             (XUJJ/)
(STOL/)
(ALGA/)
                                                                                                                       Claim la;
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07-SEP-2000;
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01-MAY-2000;
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  to selectively
                                                                                                                                                                                                                                                                                                                                                                                                                          cancer; cancer therapy; vaccine; gene therapy; tumour;
ad sequence tag; EST; ss.
                                                                                                                    Page 125; 131pp; English.
                                                                                                                                                                                                                                                                      99US-0394374.
2000US-0561778.
2000US-0640173.
2000US-0656668.
2000US-0713550.
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form duplex molecules with
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cancer, especially ovarian cancer
 complementary
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RESULT 15
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Best Local
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                                  Human; ovarian
                                                          Human ovarian
                                                                                   17-MAY-2002
                                                                                                            ABL87898;
                                                                                                                                ABL87898 standard; DNA; 625
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                                                      cancer related DNA clone SEQ ID NO:10876
                              cancer; ovarian tumour; cytostatic; gene;
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Pred. No.
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (Si) can be used for detecting overlan cancer in a patient's biological sample preferably serum or overlan tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount to a predetermined cutoff value and thereby detecting overlan cancer in the patient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an overlan tumour protein comprising contacting T cells with (III) or (II). (III) is useful in design and preparation of ribozyme molecules for inhibiting expression of the tumour polypetides and proteins in tumour cells; and to isolate a full length gene from a suitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1271 AGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCG 1330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polypucleotide (III) having a CDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell population of (II), or antigen presenting cells that express (II).

[I] has cytostatic activity. An oligonucleotide (IV) that hybridises to (II) has cytostatic activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
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                   CATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCC
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CATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCC
                                                                                                                          GAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGC
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                                                                                                                                                                    CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
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                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31.9%; Score 606; DB 24; ilarity 100.0%; Pred. No. 5.4e-234; Conservative 0; Mismatches 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        182 A; 144 C; 182 G; 116 T; 1 other;
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    cDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosts of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used
                                                                                                                                                                                         which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAF94295 and AAF62232 - AAF62235 which are used to isolate the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; secretory protein; membrane protein; vaccine; gene therapy; rheumatoid arthritis; diabetes; PCR primer; ss.
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                                                                                                                                                                                                                                                                        Claim
                                                                                                                                                                                                                                                                                                  gene therapy or as candidate target molecules in
                                                                                                                                                                                                                                                                                                                    Nucleic acids encoding secretory proteins/membrane
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACAGTG 606
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                                                                                                                                                                                                                                                                                                                                                                                Isogai T, Nishikawa
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                                                                                                                                                                                                                                                                                                  ne proteins, useful in drug development -
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RESULT 17
ABT0379/c
ID ABT032
XX ABT032
AC ABT032
XX 05-SEP
DT 05-SEP
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AC ABT032
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Best Local Similarity
Matches 511; Conserv
                  13-NOV-2001; 2001WO-US45395.
                                                                 23-MAY-2002
                                                                                                          WO200239885-A2
                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                           cytostatic; gene;
                                                                                                                                                                                                                                                      Human ovarian carcinoma associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                     05-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                    ABT03279 standard; cDNA; 1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA). Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 591 BP; 108 A; 198 C; 173 G; 109 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                arthritis and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTCCGCTGCTGTCGCCTCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTCTGCCGGGTACCAGTCCTTCTGCTCCCCA 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC
                                                                                                                                                                                                                  ovarian cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                             ovarian carcinoma;
                                                                                                                                                                                                                                                                                                                                                                                       ΒP
                                                                                                                                                                                                             gene therapy;
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                                                                                                                                                                                                             immunotherapy;
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                                                                                                                   RESULT 18
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             28-JUN-2002
                                                        ABL40347;
                                                                                                 ABL40347
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Query Match
Best Local
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03-APR-2001;
02-OCT-2001;
                                                                                                                                                                                                                                                                                   1424 CACCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACGGAGCTGAG
                                                                                                                                                                                                                                                                                                                                               1124 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGA 1183
                    1604 TACGGCCAATGTCACAACAATCAGCC 1629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1184 GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; Page 193; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1362 BP; 263 A; 435 C; 362 G; 302 T; 0 other;
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                                                                                                                                                                                               GTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGT
TACGGCCAATGTCACAACAATCAGCC
                                                                                                     CCAGTCGTGCTTGGGCTTTGGGCCGCGAGCCATGATCCTCCGAATCTGGGTTGGGCATCCAGCA
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                                                                                CCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCA
                                                                                                                                                                        GTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGT
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; 2001US-0825294.
; 2001US-0970966.
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Pred. No. 7.8e-194;
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standard;

CDNA;

1362

(first entry)

Ovarian carcinoma GPR39 cDNA.

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Best Local
                                                                                                                                                                                                                                                                                                       expending T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (XUJJ/)
(STOL/)
(ALGA/)
                                                                                                1184
 1242
                                                                1302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ovarian tumour polypeptide and prevention and/or treatment of
                                1244
                                                                                                                                                1124 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGA 1183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1a; Page 123-124; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-APR-2001;
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                                                                                                                                                                                                                                                            Sequence 1362 BP;
                                                                                                                                                                                                                                                                                           sequence represents the ovarian carcinoma GPR39 cDNA.
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                                                                                                                                                                                                              Local Similarity
                              CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGC 1303
                                                                                 GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                                TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGA 1303
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   CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGC
                                                                GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                                                                                               506;
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) STOLK J A.
) ALGATE P A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cancer;
                                                                                                                                                                                               Conservative
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2000US-0640173.
2000US-0656668.
2000US-0713550.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /product- "Ovarian carcinoma protein GPR39"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                            263 A; 435 C; 362 G;
                                                                                                                                                                                            26.7%; Score 506; DB 24; 1 100.0%; Pred. No. 7.8e-194; tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polynucleotide useful in diagnosis, cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vaccine; gene therapy; tumour; cancer;
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RESULT 19
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03-APR-2001;
02-OCT-2001;
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                                                                                                                               Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer \frac{1}{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1604
                                    The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                           13-NOV-2001; 2001WO-US45395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-SEP-2002
                         of the invention.
                                                                                         Claim 2; Page 196; 197pp; English.
                                                                                                                                                                                                                 Xu J,
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                                                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; ovarian cancer; ovarian carcinoma; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human ovarian carcinoma associated coding sequence SEQ ID NO: 213.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABT03283;
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; 2001US-0970966.
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Query Match Best Local Similarity

Score 425; Pred. No.

3.3e-161; T; 0 other;

Length 480;

Sequence 480

BP;

86

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153 G; 87

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ABL40351
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15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
                                                                                                                                                                                  (XUJJ/)
(STOL/)
(ALGA/)
Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                      WPI; 2002-171027/22
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) STOLK J A.
) ALGATE P A.
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AAF94186/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CC The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC stimulating a immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC polypeptides in tumour cells. Polypeptides and polynucleotides of the CC invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate host cells. The current CC sequence represents the ovarian carcinoma BB336607 nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local :
                           Human; secretory protein; membrane protein;
rheumatoid arthritis; diabetes; PCR primer;
                                                                          Primer specific for DNA encoding secretory/membrane protein SEQ ID
                                                                                                                                                                                AAF94186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim la; Page 127; 131pp; English.
                                                                                                                                                                                                                                                                                                                                 361
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                                                                                                                                                                                                                                                                                                                          TCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCAT 476
                                                                                                                                                                                                                                                                                                                                                                                                             CTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CGCTGCAGCCGGGGCAGCCTCCGCTGCTGTTCGCCTCTCTGATGCGCTTGCCCTCTCCCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCCCCGGGACTTCCGGGAGAATGTGGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGCTACGACCGTCGTCTCCGCGGCAGCAGCGCGCGCCCCAGCAGCCTCGGCAGCCACAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCCAACTCCGGAGGCTCTGGTGCTCGGCCCGGGAGCGCGAGCGGGAGCAGCAGAGACCCG
                                                                                                                                                                                                                                                                                                                                                                                             CTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                              standard; DNA; 587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP;
                                                                                                            (first entry)
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99.8%;
                                                                                                                                                                            ₿P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 425; DB 24;
Pred. No. 3.3e-161;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               87 T; 0 other;
                             vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 480;
                                           gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                   Matches 416;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used as antigens in their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA), Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB88317 - AAB8419. Included in the invention are primers
AAF94395 and AAF62323 - AAF62325 which are used to isolate to converge the invention. The invention also includes methods for the production of antibodies directed against the proteins, and convergences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences are they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nucleic acids encoding secretory proteins/membrane gene therapy or as candidate target molecules in dr
                    1701
                                                                                                  1641
                                                                                                                                                                               1581
                                                                                                                                                                                                                                                                                                                         1461 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 5; SEQ ID 620; 609pp + CD ROM; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-093989/11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-JUL-1999;
11-JAN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 587 BP; 117 A; 162 C; 140 G; 162 T; 6 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        arthritis and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             which encode human secretory or membrane proteins represented
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EP1067182-A2
                                                                                                                                         297
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                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
AAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATT 1760
                                                                                                                                                                                                                                                              TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGGTTTGGCCGCAGCCATGATCCTC 1580
                                                                                                CGAGCAGGAGGAGAGAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATGAATA 1700
                                                                                                                                         CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA
                                                                                                                                                                             CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA 1640
                                                            TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAGCCATGATCCTC
                                                                                                                                                                                                                                                                                                      AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Isogai T,
                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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2000JP-0118775.
2000JP-0183766.
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                                                                                                                                                                                                                                                                                                                                                                                                    Score 366; DB 22;
Pred. No. 1.7e-137;
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                                                                                                                                                                                                                                                                                                                                                                                                                         DB 22; Length 587;
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RESULT 22
AAH50766/c
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                                                                                                                                                                                                                                                                                                    1534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel nucleic acid molecules differentially expressed in brain cancers, useful for ascertaining propensity of cell for malignant phenotype or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-NOV-1999;
17-NOV-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAH50766;
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                               1654 GAGACAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAATAAAACCATAAAATA 1713
                                                                                                                                                                                                                                                                                                                                                                                                                        1474 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 444 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present sequence is a cancer-associated cDNA of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 28; Page 50; 82pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ascertaining suitability of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-355647/37
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GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA 1653
                                                                                                                                                                                                                                                                           AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG
                                                                                                                                                                                                                                                                                                                                                            CAAACCCGGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1
                                                                                                                    GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGAACACGAGCAGGAGGGA
                                                                                                                                                                                                                                           AGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    414;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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99.8%;
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           candidate
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RESULT 23
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                                                                                                                       Best Loc
Matches
                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                          10-SEP-1999;
01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                      These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                                               Claim 5; Page 119; 189pp; English.
                                                                                                                                                                                                                                                                                                 Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200118046-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1714
                                                                                                                                                                                                                                                                                                                                                              Хu J,
                                                                                                                                                                                                                                                                                                                                                                                   (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-SEP-2000; 2000WO-US24827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human ovarian cancer associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1774
                                                                                                                                                                                                                                                                                        treatment of ovarian cancers -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF94818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAF94818 standard;
       394
                                                                                  274 CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  191
                              65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        71
                                                                           u
                                                                                                                                     Local
                                                                                                                                                                                                                           present invention provides a number of coding sequences and proteins, over-expression of which is associated with ovarian carcinoma/cancer.
TTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGAT
                        CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAA 124
                                  CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCCGAGTTGATTGTGAA 393
                                                                      CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2001-211395/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 1773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCCGGGGGA 1833
                                                                                                                          316;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ovarian
                                                                                                                                                                                                                                                                                                                                                             Stolk JA;
                                                                                                                                  Similarity
                                                                                                                                                                    396 BP; 90 A; 117 C; 95 G; 92 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                       ; 2000US-0561778.
; 2000US-0640173.
; 2000US-0656668.
                                                                                                                       16.7%;
ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first
                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0394374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cDNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             vaccine; gene therapy; carcinoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              396
                                                                                                                      0; Mismatches
                                                                                                                               Score 316; DB 22; 1; Pred. No. 2.3e-117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВÞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     coding sequence SEQ ID NO:
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                                                                                                                                           Length 396;
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394 TTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGAT 453

CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAA

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ABT03085
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                                                                                        Matches
                                                                                                     Query Match
Best Local
                                                                                                                                                                         The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                         Sequence 396 BP;
                                                                                                                                                                 of the invention.
                                                                                                                                                                                                                                                               Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovar:
                                                                                                                                                                                                                                                                                                                                             Xu J,
                                                                                                                                                                                                                                                                                                                                                                                            14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                            Example 1; Page 116; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human ovarian carcinoma associated coding sequence SEQ
                                                                                                                                                                                                                                                                                                                     WPI; 2002-500186/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                               13-NOV-2001; 2001WO-US45395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200239885-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; ovarian cancer; ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABT03085 standard;
                                                                                                                                                                                                                                                                                                                                                                      (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
334 CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGGAGTTCATTGTGAA 393
                                                274 CATCGCGGCAACTTITTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  305
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                                                                                                     Local Similarity
                                       G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCA
                                     CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTGTAACGGGCCAAGG
                                                                                        316;
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                                                                                                                                                                                                                                                                                                                                          Stolk JA, Algate PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gene;
                                                                                        Conservative
                                                                                                                                        90 A; 117 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CDNA;
                                                                                                   16.7%;
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                                                                                       0,
                                                                                                Score 316; DB 24;
Pred. No. 2.3e-117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ВP
                                                                                                                                      95 G;
                                                                                                                                                                                                                                                                                                                                         Fling SP, Molesh DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           carcinoma; gene therapy; immunotherapy;
                                                                                        Mismatches
                                                                                                                                        92 T; 2 other;
                                                                                     0;
                                                                                                            Length 396;
                                                                                     Indels
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The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC stimulating an immune response in a patient, and for treating a cancer in CC a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC preparing ribozyme molecules for inhibiting expression of the complements are also useful in recombinant DNA molecules to direct convention are also useful in appropriate host cells. The sequences CC given in records ABL48760-ABL48956 represent polynucleotides encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ovarian tumour polypeptide and prevention and/or treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (XUJJ/)
(STOL/)
(ALGA/)
(FLIN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim la; Page 41-42; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Χu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-NOV-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ovarian
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5-AUG-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STOLK J A.
) ALGATE P A.
) FLING S P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         polynucleotide useful in diagnosis, cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                            10-SEP-1999;
01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ovarian carcinoma
                                                                                                                                  Xu J,
                                          Claim 18; Page 189; 189pp; English
                                                                  treatment of ovarian cancers
                                                                          Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention
                                                                                                             WPI; 2001-211395/21.
                                                                                                                                                                                                                                  08-SEP-2000;
                                                                                                                                                                                                                                                        15-MAR-2001.
                                                                                                                                                                                                                                                                              WO200118046-A2
                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                      Human, ovarian
                                                                                                                                                                                                                                                                                                                                            Human ovarian cancer associated coding sequence SEQ ID NO: 199
                                                                                                                                                                                                                                                                                                                                                                 23-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                             AAF95007 standard; DNA; 369
                                                                                                                                                        (CORI-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 514
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            274 CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5 CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCCCCCGAGTTCATTGTGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAA 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCCAACACCCCTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGATGGAGCAAAGTGCCGGGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTGTAACGGGCCAAGG 589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTGTGCCGGGTACCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                316;
                                                                                                                                  Stolk JA;
                                                                                                                                                        CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           396
                                                                                                                                                                            99US-0394374.
2000US-0561778.
2000US-0640173.
2000US-0656668.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ВP;
                                                                                                                                                                                                                                  2000WO-US24827
                                                                                                                                                                                                                                                                                                                       cancer; vaccine; gene therapy; carcinoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           90
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; 117 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                                                                                                                                                                                                                                                                                                                                                              ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 316;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           95 G; 92 T;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.3e-117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           other;
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                                                                            and the diagnosis
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The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer.

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the diagnosis,

treatment and

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RESULT 27
ABT03274
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                    Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                   Example 1; Page 187; 197pp; English.
                                                                                                            WPI; 2002-500186/53.
                                                                                                                                     č
                                                                                                                                                            (CORI-) CORIXA CORP.
                                                                                                                                                                                   14-NOV-2000; 2000US-0713550.
03-APR-2001; 2001US-0825294.
02-OCT-2001; 2001US-0970966.
                                                                                                                                                                                                                                                                23-MAY-2002.
                                                                                                                                                                                                                                                                                         WO200239885-A2
                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                          cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                     Human; ovarian cancer; ovarian carcinoma;
                                                                                                                                                                                                                                                                                                                                                                         Human ovarian carcinoma associated coding sequence SEQ ID NO: 199.
                                                                                                                                                                                                                                                                                                                                                                                                      05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                  ABT03274;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABT03274 standard; cDNA; 369 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer, optionally by gene therapy or in the form of a vaccine present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                      13-NOV-2001; 2001WO-US45395.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                549
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      330 CTGCCTCGGCCCTCA 344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG 428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CIGCCICGGCCCTCA 623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GCATCAGCTGCTAACACCCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAGGGGAAGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCATCAGCTGCTGCAACACCCCCTCTTTGTAACGGGCCCAAGGACCCAAGAAAAGGGGAAGTT 608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GTCTCATCGCCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG
                                                                                                                                 Stolk JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16.6%; Score 315; DB 22; Length 369; ilarity 100.0%; Pred. No. 5.7e-117; Conservative 0; Mismatches 0; Indels
                                                                                                                                  Algate
                                                                                                                                    PA,
                                                                                                                                 Fling SP,
                                                                                                                                 Molesh DA;
                                                                                                                                                                                                                                                                                                                                                gene therapy; immunotherapy;
                                                       treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                        cancer
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The present invention

provides human

ovarian cancer associated

proteins

Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer

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RESULT 28
ABL48956
ID ABL48
XX ABL48
AC ABL48
XX OVAT

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SSSSS
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Best Local
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                                                                                                                                                                               (XUJJ/) XU J.
(STOL/) STOLK J A.
(ALGA/) ALGATE P A.
(FLIN/) FLING S P.
                                                                                                                                                                                                                                                                                                           10-SEP-1999; 99US-0394374
01-MAY-2000; 2000US-0551778
15-AUG-2000; 2000US-0640173
07-SEP-2000; 2000US-0656668
14-NOV-2000; 2000US-0713550
                                                                              WPI; 2002-171027/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-APR-2001; 2001US-0825294.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ovarian carcinoma sequence isolate 57887.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL48956;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2002004491-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-JUN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABL48956 standard; cDNA; 369 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 429 AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTGCCTCGGCCCTCA
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                                                                                                                            Stolk JA,
                                                                                                                              Algate
                                                                                                                              PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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                                                                                                                            Fling
                                                                                                                              SP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
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Matches 315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ovarian carcinoma proteins.
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26-MAY-2000; 2000US-207484P
                                   29-MAY-2001; 2001WO-US17756.
                                                                                                             WO200192581-A2
                                                                                                                                                                                      Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                            Human ovarian cancer related cDNA clone SEQ ID NO:1516.
                                                                                                                                                                                                                                                                  17-MAY-2002
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                                                                                                                                                                                                                                                                (first entry)
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ABL79431

ABL79431 standard; cDNA; 349 BP

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes a composition (I) comprising: carriers cc and immunostimulants; and a polypeptide (II) of a ovarian tumour cc polypeptide encoded by a polypuclectide (II) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to cc (S1) from the 10912 nucleotide sequences as given in ABL77023 to cc (I) has cytostatic activity. An oligonucleotide (IV) that express (II). cc (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (S2) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample from a patient with (IV), detecting the contacting a biological sample from a patient with (IV), detecting the amount of polypucleotide hybridising to (IV) and comprises amount to patient, where the amount of polypucleotide hybridising to (IV) and comparing the amount to get patient, where the amount of polypucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising contacting and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells (III) and/or (III) is useful in design and preparation of cells cand proteins in tumour cells; and to isolate a full length gene from a contable library e.g., a tumour cDNA library using well known cuttable library e.g., a tumour cDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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                                                                                                                                                                                                                                                                                    1683
                                                                                                      1803 GAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTTATAAGAAAAGACCATTAAA 1862
                                                                                                                                                                                                                                                                                                                                                                                                                                                 1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1622
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                                                                                                                                                                                                                                                                                                                                                                   Sequence 373 BP; 83 A; 96 C; 80 G; 114 T; 0 other;
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                                        1863 TGCTTTAGACAGTGT 1877
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nes 315; Conserv
                                                                                                                                                                                GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC 1742
HITCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGGAAAAGAAAAACACACAGCATGA 196
                                                                                GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a composition (I) comprising: carriers cand immunostimulants; and a polypeptide (II) having a cDNA sequence (C (S1) from the 10912 nucleotide sequences as given in ABL/7023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell (CC (S1) from the 10912 nucleotide sequences as given in ABL/7023 to CC (S1) that coding (II) having a sequence (S2), a T cell (CC (S1) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises (C contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) cancer in the CC detected preferably by polymerase chain reaction (PCR). (I) comprising (C (III) and/or (II) is useful for stimulating and/or expanding T cells (III) or (II). (III) is useful in design and preparation of CC with (III) or (III). (III) is useful in design and preparation of CC with (III) or (III). (III) is useful in design and preparation of CC sultable library e.g., a tumour CDNA library using well known cc
                                                                                                                                                                                                                                                                                                        Query Match
Best Local :
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                                                                                                                                                                                                                               1570 CCATGATCCTCCGAATCTGGTTGGGCATCCCAGCATACGGCCCAATGTCACAACAACAACAACACCC 1629
                                                                                                                                                                                                                                                                                                                                                          Sequence 349 BP; 79 A; 84 C; 78 G; 108 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; SEQ ID 2409; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
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                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                      GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1749
                                                                    GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCCTTACTGGCCAGGAAA
                                                                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                                                                      16.2%; Score 307; DB 24; 100.0%; Pred. No. 9.5e-114;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer \frac{1}{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-NOV-2000; 2000US-0713550.
03-APR-2001; 2001US-0825294.
02-OCT-2001; 2001US-0970966.
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                                              490 TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
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AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
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                                                                                                          AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14.3%; Score 271; I
100.0%; Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
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RESULT 32
ABL40350
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                                                                                                                                                                                                                                The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are CC gene therapy. Polypeptides and polynucleotides of the invention are CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for Stimulating an immune response in a patient, and for treating a cancer in Extinulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient.

CC The isolated polynucleotides of the invention are useful for their cability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC preparing ribozyme molecules for inhibiting expression of the CC expression of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells. The current CC sequence represents the ovarian carcinoma BF345141 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim la; Page 126-127; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-AUG-2000;
07-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ALGA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-APR-2001; 2001US-0825294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ovarian carcinoma BF345141 nucleotide sequence
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                                                                                                                                           Sequence 1010 BP;
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(STOL/) STOLK
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ALGATE P A.

FLING S P.
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2000US-0656668.
2000US-0713550.
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000US-0561778.
                                                                                                                                           266 A; 344 C; 254 G; 146 T; 0 other;
14.3%; Score 271; DB 24;
100.0%; Pred. No. 2.5e-99;
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310 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 369

Matches 271;

Conservative

Indels

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Local Similarity

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              The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polypucleotide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell population of (II), or antigen presenting cells that express (II). (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (Si) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount to a predetermined cutoff value and thereby detecting ovarian cancer in the capatient, where the amount of polypucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polypucleotide hybridising to (IV) is capatient, where the amount of polypucleotide hybridising to (IV) is comprising context of (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells specific for an ovarian tumour protein comprising contacting T cells candot the contacting to the cont
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID 4240; 489pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-122075/16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human ovarian cancer related cDNA clone SEQ ID NO:4240.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   498 CATCAGCTGCTACACCCCTCTTTGTAAC 528
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The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polypucleotide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to
                                                                                                                                                                                                              Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1622
                                                                                                                                                    Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1863
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-MAY-2000; 2000US-207484P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        suitable library e.g., a tumour cDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1683
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      255
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAGACCCATTAAA 1862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC 1742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2002-122075/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TGCTTTAGACAGTGT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGCTTTAGACAGTGT 1877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GAACACAGTAAATAAAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATCAGCCCTGGGCAGACACGAGCAGGAGGAGGAGAGAGAAAAGAAAAACACAGCATGA 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ovarian
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                                                                                                                                              SEQ ID 8894; 489pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                Harlocker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ovarian tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                Jones
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 24; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABL87934, (III) encoding (II) having a sequence (S2), a T cell
Coppulation of (II), or antigen presenting cells that express (II).
C(I) has cytostatic activity. An oligonucleotide (IV) that hybridises to
C(S1) can be used for detecting ovarian cancer in a patient's biological
C(Sn) can be used for detecting ovarian cancer in a patient's biological
C(Sn) can be used for detecting ovarian cancer in the method comprises
C(Contacting a biological sample from a patient with (IV), detecting the
C(Contacting a biological sample from a patient with (IV), detecting the amount to
C(Contacting a biological sample from a patient with (IV), detecting the amount to
C(Contacting a biological sample from a patient with (IV), detecting the amount to
C(Contacting a biological sample from a patient with (IV), detecting the amount to
C(Contacting a biological sample from a patient of polymucleotide hybridising to (IV) is
C(Contacting a comprising to (IV) is
C(Contacting a comprising contacting T cells
C(III) and/or (II) is useful for stimulating and/or expanding T cells
C(Contacting and protein comprising contacting T cells
C(Contacting and protein comprising contacting T cells
C(Contacting and protein contacti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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Best Local
                                                                                                               Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1501 AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1560
                                                                                             polypeptide
                                                                                                                                                                                                                    WPI; 2002-122075/16.
                                                                                                                                                                                                                                                                   Algate PA,
                                                                                                                                                                                                                                                                                                                                                                   26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human ovarian cancer related cDNA clone SEQ ID NO:1532.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABL78554 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1621 CAATCAGCCCTGGGCAGACACGAGCAGGAGAGAGAGAGAAAA 1666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 201 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              suitable library e.g., a tumour cDNA library using well known
                                                                                                                                                                                                                                                                                                                    (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   166;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                   Harlocker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28 A; 61 C; 46 G; 66 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cDNA; 390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8.8%;
                                                                                                                                                                                                                                                                   SL,
                                                                                                                                                                                                                                                                   Jones R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 166; DB 24
Pred. No. 5e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62
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Claim 1; SEQ ID 1532;

489pp;

English.

invention

describes a composition (I) comprising: carriers

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ABL84848
ID ABL8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1696
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1636 AGACACGAGCAGGAGGAGAGACAGAGAAAAAGAAAAACACAGCATGAGAAAACACACAGTAAAT 1695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polynucleotide (III) having a cDNA sequence polypeptide encoded by a polynucleotide (III) having a cDNA sequence [S1] from the 10912 nucleotide sequences as given in ABL77023 to
                                                                                                                                                                                                                                      Algate PA,
                                                                                                                                                                                                                                                                                                                                                                        26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  W0200192581-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human ovarian cancer related cDNA clone SEQ ID NO:7826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABL84848 standard; cDNA; 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1756 CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 1789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 390 BP; 121 A; 82 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                         (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              147
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GAATAAAACCATAAAATTTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGACACGAGCAGGAGGAGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAAAT 206
                                                                                                                                                                      2002-122075/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 154;
                                                                                                                                                                                                                                         Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8.1%;
                                                                                                                                                                                                                                         Jones R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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Pred. No. 3.1e-52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 24; Length 390;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
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Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding

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RESULT 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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                                                                                                                                              WPI; 2002-122075/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAY-2000; 2000US-207484P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human ovarian cancer related cDNA clone SEQ ID NO:4251.
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                                                                                                                                                                                                                                                                                                                                                  (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                236 TACGC 240
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125; Conserva
                                                                                                                                                                                                                                                   Harlocker
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             85 A; 101 C; 122 G; 73 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6.6%; Surel No. 100.0%; Pred. 
                                                                                                                                                                                                                                                   SL,
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hes 0;
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RESULT 38
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Best Local (
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Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                               Algate PA, Harlocker SL,
                                                                                                                                                                                                                                          26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                                                      29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                                                                                                  WO200192581-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human ovarian cancer related cDNA clone SEQ ID NO:2375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABL79397;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL79397 standard; cDNA; 558
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polypeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 430;
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RESULT 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a composition (I) comprising: carriers cand immunostimulants; and a polypeptide (II) of a ovarian tumour collapse and immunostimulants; and a polypeptide (II) having a cDNA sequence collapse from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell collapse from the 10912 nucleotide sequences as given in ABL77023 to CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample from a patient with (IV), detecting the amount to contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising CC interest preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells collapse from a patient with (III) or (III) (III) is useful in design and preparation of cells contacting in tumour cells; and to isolate a full length gene from a cultable library e.g., a tumour cDNA library using well known
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1408 ACAGCACCTGCACGAACACCCGGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGT 1467
                                               WPI; 2002-257383/30
                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-2002 (first entry)
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                                                                                 Shoshan A,
                                                                                                                                                     28-JUL-2000; 2000US-221607P
02-MAY-2001; 2001US-287724P
                                                                                                                                                                                                                                                                           WO200210449-A2
                                                                                                                                                                                                                                                                                                                                             splice variant;
                                                                                                                                                                                                                                                                                                                                                                                              Human spliced transcript detection oligonucleotide SEQ ID NO:14725.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 2375; 489pp; English.
                                                                                                                    (COMP-) COMPUGEN INC.
                                                                                                                                                                                                        20-JUL-2001; 2001WO-IB01903
                                                                                                                                                                                                                                                                                                            Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
wes 120; Conserv
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                                                                                                                                                                                                                                                                                                                                         mouse; rat; splice transcript; detection; RNA transcript; variant; transcriptome; oligonucleotide library; ss.
                                                                                Wasserman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                 Mintz
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                                                                                Faigler
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New oligonucleotide libraries comprising oligonucleotides which selectively hybridize to mrNAs transcribed from a transcription $% \left(1\right) =\left\{ 1\right\}$

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   quantitatively characterising the corresponding transcriptome, and in detecting RNA transcripts and splice variants of human or animal transcriptomes. The libraries may also be used as specialised mini libraries to detect transcripts of a sub-transcriptome under a particular biological or pathological state, and so allowing the detection of tissue- and pathology-specific genes such as those genes only expressed in specific tissue under a specific pathological condition; to detect developmental specific genes; and to detect RNA transcripts and splice variants of a transcriptome of a pattient suffering from a particular disorder. ABN27253 to ABN39589 represent oligonucleotide sequences from rats, humans and mice, which are used in the exemplification of the present invention.

N. B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1143 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG 1202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            the genome, which encodes one or more messenger RNA splice variants. The oligonucleotide libraries are useful for detecting mRNAs from a biological sample, in expression profiling studies, in qualitatively or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  messenger RNAs that populate a (sub-)transcriptome, where the (sub-)transcriptome comprises messenger RNAs transcribed from multiple transcription units that populate a genome. The library comprises several oligonucleotides, each capable of hybridising selectively to a set of messenger RNAs transcribed from a given transcription unit of
Novel nucleic acid, used as a marker to determine the effectiveness
                                      WPI; 2001-602933/68
                                                                          Lillie J,
                                                                                                                                                    14-APR-2000; 2000US-197538P
                                                                                                                                                                                                                                                                                                                                                                                     Human; cancer cell marker; TAXOL; cytostatic; tumour; carcinoma; squamous cell carcinoma; sarcoma; fibrosarcoma; leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAS60824 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 60 BP; 17 A; 17 C; 15 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes oligonucleotide libraries for detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; SEQ ID 14725; 47pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             developmental-specific genes
                                                                                                                                                                                          13-APR-2001; 2001WO-US12132
                                                                                                                                                                                                                                25-OCT-2001
                                                                                                                                                                                                                                                                       WO200179556-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-JAN-2002 (first entry)
                                                                                                              (MILL-) MILLENNIUM PREDICTIVE
                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                   Hodgkin's disease;
                                                                                                                                                                                                                                                                                                                                                                     lymphocytic leukaemia; lymphoma; plasmocytoma; reticulum cell sarcoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             genome, useful for detecting tissue-, pathology-, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 cancer agent-sensitive marker #326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                        Brown JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                   glioma; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CDNA; 1368 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                          Bolt A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 60;
Pred. No.
                                                                                                                MEDICINE INC
                                                                            Van Huffel C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2.4e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 60;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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RESULT 41
AAL33984/c
ID AAL33984 standard; DNA; 50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     developing treatments for cancer, particularly those cancers which display resistance to agents and exhibit expression of the markers. Th anticancer agents developed by the novel method can be used to treat cancer. Probes based on the markers can be used to detect transcripts genomic sequences corresponding to the markers, in the identification cells or tissues which mis-express the protein. Cancers which may be targeted include carcinoma (e.g. squamous cell carcinoma) sarcoma (e.g. fibrosarcoma) leukaemia (e.g. lymphoma, plasmocytoma, reticulum cell sarcoma, Hodgkin's disease and tumours (e.g. glioma). The present sequence is one of the 1046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              they are shown to express one of the 242 sensitivity markers or the cells are shown not to express one of the 804 resistance markers. The methods can be used to determine the effectiveness of TAXOL in the treatment of cancer cell growth in an individual. The markers can be used as targets in developing anti-cancer agents such as chemotherapeutic compounds. The markers can also be used as targets in developing anti-cancer agents such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to 1046 novel nucleic acids which are used as markers for determining the sensitivity of a cancer cell to the anticancer agent TAXOL. Cancer cells can be treated with TAXOL when they are shown to express one of the 242 sensitivity markers or the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1871 ACAGTGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 339-340; 527pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 using TAXOL to treat cancer cell growth in individuals
                                                                         Shimkets RA,
                                                                                                                                                   27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                            28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                                                                                                                                                                 complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; can amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human SNP oligonucleotide #7192.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-JAN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1368 BP; 517 A; 312 C; 321 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           novel cancer cell markers.
                                   WPI; 2001-465210/50
                                                                                                                                                                    28-DEC-1999;
                                                                                                                                                                                                                                                  05-JUL-2001.
                                                                                                                                                                                                                                                                                        WO200147944-A2
                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                           (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   459 ACAGTGTAAAAAAAAAAAAAAAAAAAAAAAA 485
                                                                                                                                                                                                                                                                                                                                                               system disease; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                         Leach M;
                                                                                                                                                                      99US-0173419
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      213 T; 5 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                               factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The
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Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases

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Best Local
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                     Polymorphic nucleic acids encoding e.g. amylases, oncogenes and histones, useful for diagnosing and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinasins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonuclectide. The oligonuclectides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, organisma.
                                                                           WPI; 2001-465210/50.
                                                                                                        Shimkets RA,
                                                                                                                                        (CURA-) CURAGEN CORP.
                                                                                                                                                                 28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                   28-DEC-2000; 2000WO-US35498.
                                                                                                                                                                                                                                                     05-JUL-2001
                                                                                                                                                                                                                                                                                     WO200147944-A2
                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                          interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infarmation;
                                                                                                                                                                                                                                                                                                                                                                                                      Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human SNP oligonucleotide #7193.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAL33985;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1212 GACTGGGACTTAGACTGGGGCTCGGC 1237
                                                                                                                                                                                                                                                                                                                                                 nervous system disease; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAL33985 standard; DNA; 50 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   oncogenes and histones, useful for diagnosing and treating, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoiet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       50 GACTGGGACTTAGACTGGGGCTCGGC 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Page 3450; 4143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 11 A; 16 C; 10 G; 13 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                        Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 26; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 50;
                       cyclins, polymerases, treating, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                    e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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cancer, autoimmune diseases and infections

The present invention relates to oligonucleotides encoding polymorphic

Claim 1; Page 3451; 4143pp; English.

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RESULT 43
AAL33986/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arrhritis, multiple sclerosis, diabetes,
                                                                        Polymorphic nucleic acids encoding e.g. amylases, cyclins, oncogenes and histones, useful for diagnosing and treating,
                                                                                                                                                                    Shimkets RA, Leach
                                                                                                                                                                                                                                     28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                                                                                                                                                                                                                                                interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1563 GCCGCAGCCATGATCCTCCGAATCTG 1588
                                                              cancer, autoimmune diseases and infections
                                                                                                                                     WPI; 2001-465210/50.
                                                                                                                                                                                                                                                                                            28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; can, amyloid protein; angiopolettin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                        (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                 05-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                   nervous system disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 complement related protein; cytochrome; kinesin; cytokine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human SNP oligonucleotide #7194.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAL33986 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogeni-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 50 BP; 14 A; 13 C; 17 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 3451; 4143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCCGCAGCCATGATCCTCCGAATCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 50;
                                                                                           cyclins, polymerases,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of pathogenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   factor;
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RESULT 44
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  proteins, cytochromes, kinesins, cytokines, interferons, interleukins, of-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1537 ACCTCGTCCAGTCGTGCTTGGGTTTG 1562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        apoptosis related proteins, cadherin, cyclin, polymerase, oncogen, histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                                                                                      Butler KH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Glycine max.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Soybean magnesium chelatase subunit cDNA (clone sdp4c.pk022.h18[FIS]).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-APR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAC84571 standard; cDNA; 2481 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        variants of proteins related to amylases, amyloid proteins, angiopoietin,
                                                                 chelatase subunits.
                                                                                  The invention relates to nucleic acid fragments encoding magnesium
                                                                                                                    Claim 2;
                                                                                                                                                  Isolated nucleic acid fragments encoding magnesium chelatase subunits, useful as probes for genetic and physical mapping of genes, as markers for traits linked to these genes, and in plant breeding -
                                                                                                                                                                                                                                                                                                                                                                           02-JUN-2000; 2000WO-US15351.
                                                                                                                                                                                                                                                                                                                                                                                                            14-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200075340-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             soybean;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Magnesium chelatase;
                 which they are not normally found, and for overexpression in bacterial
                                 transgenic
lower level
                                                                                                                                                                                                                                                                                                        (DUPO ) DU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      leukaemia),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  50 ACCTCGTCCAGTCGTGCTTGGGTTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OCAL
                                                                                                                                                                                                                                       2001-091215/10
                             ase subunits. The nucleic acid fragments may be used to create yenic plants in which the new polypeptides are present at higher or levels than normal or in cell types or developmental stages in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                       AAB48252.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88
                                                                                                                  Page 59-60; 103pp; English.
                                                                                                                                                                                                                                                                                                        PONT DE NEMOURS & CO E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diseases of the nervous system and an infection
                                                                                                                                                                                                                                                                      Famodu 00,
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                                                                                                                                                                                                                                                                                                                                         99US-0137461.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transgenic; herbicide; gene marker; plant breeding;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ø
                                                                                                                                                                                                                                                                      Gutteridge S,
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                          Maxwell CA;
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to efficiently produce large amounts

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RESULT 45
AAL27277/c
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           polypeptides which could then be used for screening different compounds for potential herbicidal activity. The polypucleotides may also be used as probes for genetic and physical mapping the genes that they are part of, and as markers for traits linked to these genes. Such information is useful in plant breeding. The polypeptides are used for preparing antibodies, which are useful for detecting the polypeptides in situ or in vitro, and as a target to facilitate design and/or identification of inhibitors of enzymes that may be used as herbicides. Host cells may also be used directly for screening different compounds for potential herbicidal activity. The present sequence represents the soybean magnesium chelatase subunit encoding cDNA.
variants of proteins related to amylases, amyloid proteins, andiopoletin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1872 CAGTGTAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                   Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections –
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAL27277 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2424 CAGTGTAAAAAAAAAAAAAAAAAAA 2449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2481 BP; 783 A; 489 C; 589 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAL27277
                                                                                                                                       The present invention relates to oligonucleotides encoding polymorphic
                                                                                                                                                                                Claim 1; Page 1529; 4143pp; English.
                                                                                                                                                                                                                                                                                                                                          Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                                      28-DEC-1999; 99US-0173419
27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-DEC-2000; 2000WO-US35498
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                                                                                                                                                                                                                                                                                                   WPI; 2001-465210/50
                                                                                                                                                                                                                                                                                                                                                                               (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      system disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                          Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
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100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              620 T; 0
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CC diseases associated with inappropriate expression of the proteins listed CC above. Disorders that may be prevented, diagnosed and/or treated include CC multifactorial diseases with a genetic component, such as autoimmune CC diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, CC systemic lupus erythromatosus and Grave's disease), inflammation, cancer CC (e.g. cancers of the bladder, brain, breast, colon and kidney, CC leukaemia), diseases of the nervous system and an infection of pathogenic CC organisms.

XX Sequence 51 BP; 9 A; 5 C; 10 G; 27 T; 0 other;
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Search completed: November 7, 2002, 18:16:25 Job time: 399.511 secs

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Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB seq
Maximum DB seq
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           length: 0
length: 2000000000
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1897
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Copyright (c) 1993 - 2002 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
/cgn2_6/ptodata/1/ina/5B_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/BCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/backfiles1.seq:*
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 1 US-07-688-352C-31

2 US-08-474-379C-31

3 US-09-146-249A-31

3 US-09-206-188B-31

3 US-09-206-188B-31

3 US-09-211-625B-67

2 US-09-511-625B-67

2 US-09-316-290-11

2 US-09-306-290-11

2 US-09-306-290-11

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2 US-09-306-290-11

2 US-08-171-385-22

2 US-08-171-385-22

2 US-08-171-385-27

2 US-08-361-441B-27

2 US-08-361-441B-27

2 US-08-361-441B-27

2 US-08-361-441B-27

2 US-08-361-441B-37

2 US-08-361-441B-387

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3 US-09-352-616A-357

3 US-09-352-616A-357

3 US-09-014-969-5
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US-09-068-140A-5
US-09-413-574-1
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                                                                                                              Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 67, Appl
Sequence 67, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 12, Appl
Sequence 22, Appl
Sequence 27, Appl
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Sequence 5, Appli
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Patent No. 5168051
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Sequence
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14, Appl
14, Appl
357, App
357, App
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US-09-103-663-10	US-07-869-933-10	US-09-173-300-21	US-08-252-966B-15	US-08-032-393-5	US-09-575-602-1	5212073-1	US-09-385-982-262	US-09-433-248A-7	US-08-206-185-5	US-08-462-894-5	US-09-186-188B-29	US-08-842-445-29	US-09-186-276B-29	US-09-372-422A-35	US-09-352-616A-353	US-09-439-313-353	US-09-605-785-353
Sequence 10, Appl	Sequence 10, Appl	Sequence 21, Appl	Sequence 15, Appl	'n	Sequence 1, Appli	. 5212	Sequence 262, App	Sequence 7, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 29, Appl	Sequence 29, Appl	Sequence 29, Appl		Sequence 353, App	Sequence 353, App	Sequence 353, App

ALIGNMENTS

RESULT 1 US-09-248-335-59

Sequence 59, Application US/09248335 Patent No. 6096504

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NUMBER OF SEQ ID NOS: 74
SOFTWARE: Microsoft Word Version 7.0A
SEQ ID NO 59
LENGTH: 967
TYPE: DNA
ORGANISM: maize
US-09-248-335-59
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Sequence 5. Application US/09068140A

; Patent No. 6281409

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:

APPLICANT: MCGONIGLE, BRIAN

APPLICANT: O'KEEF, DANIEL

TITLE OF INVENTION: PLANT GLUTATHIONE-S-TRANSFERASE ENZYMES

FILE REFERENCE: CL-1128-A

CURRENT APPLICATION NUMBER: US/09/248,335

CURRENT FILING DATE: 1999-02-10

EARLIER APPLICATION NUMBER: 08/924,759

EARLIER APPLICATION NUMBER: 08/924,759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 24; Conserv
                              COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                   NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1874 GTGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                            APPLICANT: Mary Rose Woodhead, Mark Andrew Taylor APPLICANT: and Rex Michael Brennan TITLE OF INVENTION: Blackcurrant Promoters and Genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                           943 GTGTAAAAAAAAAAAAAAAAAAAAA 966
                                                                                                                            STREET: 709 Swedeland CITY: King of Prussia STATE: PA
    COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
IBM PC compatible SYSTEM: PC-DOS/MS-DOS
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v 100.0%; Pr
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US-09-413-574-1

: Sequence 1, Application US/09413574

: Patent No. 6235972
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Best Local :
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SEQ ID NO 1
LENGTH: 1522
TYPE: DNA
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Best Local :
                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/413,574
CURRENT FILING DATE: 1999-10-06
                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Mahajan, Pramod B.
APPLICANT: Tagliani, Laura
TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof
                                                                                                                                                                                                                                                                                                       EARLIER APPLICATION NUMBER: 60/109,728 EARLIER FILING DATE: 1998-11-23 NUMBER OF SEQ ID NOS: 5
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SEQUENCE CHARACTERISTICS:
LENGTH: 1046 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 0964
                                                                                                                                                        NAME/KEY: CDS
LOCATION: (58)...(1272)
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TOPOLOGY: unki
                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                             ORGANISM: Zea mays
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                  1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
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ORGANISM: Ribes n:
STRAIN: Ben Alder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: C7
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/068,140A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/EP96/04807 FILING DATE: No. 6281409ember 4, 1996 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
1456 GTGTAAAAAAAAAAAAAAAAAAA 1479
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ANTI-SENSE: 1
                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Dinner, Dara L. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
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les 24; Conserv
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                                                                     Conservative
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                                                                                        1.3%; Score 24; DB 4; 100.0%; Pred. No. 0.3;
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RESULT 4

Query Match

1.3%;

Score 24;

DB 1;

Length 3073;

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RESULT 5
US-07-688-352C-31
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US-07-688-352C-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 31, Application Patent No. 5527896 GENERAL INFORMATION:
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                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/389,929
FILING DATE: 04-AUG-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: DERYNCK, RIK M.A.; GOEDDEL, DAVID V. TITLE OF INVENTION: NUCLEIC ACID ENCODING TGF-B ITS USES
                                                                                                                                                                                                             NAME: Borun, Michael F.
REGISTRATION NUMBER: 25447
REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
                                                                                                                                                                                                                                                                                          FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2577 GTGTAAAAAAAAAAAAAAAAAAA 2600
                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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CORRESPONDENCE ADDRESS:
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                                               FEATURE:
                                                               MOLECULE TYPE:
                                                                                                                                                                    TELLEFAX: (J. 25-3856
              NAME/KEY:
LOCATION:
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                                                                                TOPOLOGY:
                                                                                              STRANDEDNESS:
                                                                                                          TYPE: NUCLEIC ACID
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                linear
                                                                CDNA
                                                                                                single
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100.0%; Pr
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0.28;
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RESULT 7
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                                                                                                                    Query Match
Best Local Similarity
Matches 24; Conserv
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TELEFAX: (312) 474-0448
INFORMATION FOR SEQ ID NO: 31
                                                                                 1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 07/688,352
FILING DATE: 19-AR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 27866/327
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APPLICATION NUMBER.
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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FILING DATE: 01-MAR-1994
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: [FILING DATE: 20-APR-1
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APPLICANT: Colicelli, John J.
TITLE OF INVENTION: CLONING BY COMPLEMENTATION AND RELATED
TITLE OF INVENTION: PROCESSES
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CORRESPONDENCE ADDRESS:
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CITY: Chicago
STATE: Illinoi
                                                                                                                                                                                                     NAME/KEY: CDS
LOCATION: 3..1109
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                                                                                                                                                                                                                                                                              STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                           LENGTH: 3073 base pairs
TYPE: nucleic acid
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                                                  GTGTAAAAAAAAAAAAAAAAAAA 1543
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                                                                                                                      Conservative
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                                                                                                                1.3%; Score 24;
100.0%; Pred. No.
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US-09-146-249A-31

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US-08-206-188B-31
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TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
SEQUENCE 3073 base pairs
                                                                                                                                                                                                                     Sequence 31, Application US/08206188B Patent No. 6100025 GENERAL INFORMATION:
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Best Local S
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                                                                              NUMBER OF SEVERIFIED TO TOOLE, CORRESPONDENCE ADDRESS:

CORRESPONDENCE Marshall, O'Toole, 733
                                                                                                                                                                                                                                                                                                                                           1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                      APPLICANT: Wigler, michael H. APPLICANT: Colicelli, John J. TITLE OF INVENTION: Cloning by TITLE OF INVENTION: Processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
COMPUTER READABLE FORM
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FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
PRIOR APPLICATION DATA:
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                              STREET: 6300 Sea
CITY: Chicago
STATE: Illinois
COUNTRY: United
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LOCATION: 3..1
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TRY: United States of America
60606-6402
                 RY: United States of America 60606-6402
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                                                                                                                                                      Cloning by Complementation and Related Processes
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85
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                                                                                                                                                                                                                                                                                                                                                                                                                             1.3%; Score 24;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US 07/511,715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US/09/146,249A
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                                                                                  Gerstein, Murray & Borun
South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gerstein, Murray & Borun
South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                               0.28;
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MEDIUM TYPE:

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 30, Application PC/TUS9102714
GENERAL INFORMATION:
APPLICANT: Widjer, Michael H.
APPLICANT: Collcelli, John J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36107
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEPHONE: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 31:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                 ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25447
                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Cloning by Complementation and Related TITLE OF INVENTION: Processes NUMBER OF SEQUENCES: 55
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: CDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: FILING DATE: 01-MAR CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                STREET: Two Fir
STREET: Street
CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 312-4
                                                                                                                                                                APPLICATION NUMBER: PCT/US91/02714 FILING DATE: 19910419
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: CDS
LOCATION: 3...
                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
REFERENCE/DOCKET NUMBER: 27805/30197
                                                                                                                                                                                                                                                                                                                                                                          Chicago
E: Illinois
                                                                                                                                                                                                                                                                                                                                        60603
                                                                                                                                                                                                                                                                                                                                                                                                                                            Two First National Plaza, 20 South Clark
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; OTHER INFORMATION: Description of artificial Sequence:/No. 6368828e; OTHER INFORMATION: synthetic construct; NAME/KEY: CDS
; LOCATION: (115)...(2655)
US-09-511-625B-67
RESULT 11
US-08-785-310A-4
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TELEPHONE: (312) 346-5750
TELEPAX: (312) 984-9740
TELEPX: 25-3856
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: 1
SEQ ID NO 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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                                                                                                                                                        Matches
                                                                                                                                                                                            Query Match
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APPLICANT:
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                                                                                                                                                                          Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Pierce, Jacalyn H.
TITLE OF INVENTION: ATTENUATED AND DOMINANT NEGATIVEVARIANT
TITLE OF INVENTION: CDNAS OF STAT6: STAT6b AND STAT6c
FILE REFERENCE: 14014.0300u1
CURRENT APPLICATION NUMBER: US/09/511,625B
                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/070,397
PRIOR TILING DATE: 1998-01-05
PRIOR APPLICATION NUMBER: 60/056,075
PRIOR FILING DATE: 1997-08-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: PCT/US98/17821
PRIOR FILING DATE: 1998-08-27
                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                             LENGTH: 3375
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                   1874 GTGTAAAAAAAAAAAAAAAAAA 1897
                                                                             3321 GTGTAAAAAAAAAAAAAAAAAAAAA 3344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 3073 base pai
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                      24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                         FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LaRochelle, William J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                      1.3%; Score 24; DB 4;
100.0%; Pred. No. 0.28;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 24; DB 5; pred. No. 0.28;
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                                                                                                                                                    0; Mismatches
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                                                                                                                                                                                            Length 3375;
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; Sequence 4, Application US/08785310A
; Patent No. 5840532

GENERAL INFORMATION:
APPLICANT: McKnig
APPLICANT: Russel

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; OTHER INFORMATION: n = A,T,C or G US-09-128-155-17
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US-09-128-155-17/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 05.627
REFERENCE/DOCKET NUMBER: UTSD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEPAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
Query Match 1.3%; Score 24; DB 3; Length 176373; Best Local Similarity 100.0%; Pred. No. 0.2; Matches 24; Conservative 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                    SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 17 LENGTH: 176373
                                                                                                                                                                                                                                                                                                 APPLICANT: Pany Yang

TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: 09404/052001

CURRENT APPLICATION NUMBER: US/09/128,155

CURRENT FILING DATE: 1998-08-03

EARLIER APPLICATION NUMBER: US 60/091,650

EARLIER FILING DATE: 1998-07-02

EARLIER APPLICATION NUMBER: US 60/054,646

EARLIER APPLICATION NUMBER: US 60/054,646

EARLIER FILING DATE: 1999-08-04

NUMBER OF SEQ ID NOS: 18

NUMBER OF SEQ ID NOS: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17, Application US/09128155 Patent No. 6117654
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                          NAME/KEY: mlsc_feature
LOCATION: (1)...(17637)
                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4138 GTGTAAAAAAAAAAAAAAAAAAAAA 4161
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 4184 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Neuronal PAS Domain Protein NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 268 BUSH STI
CITY: SAN FRANCISCO
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/785,310A FILING DATE: 21-JAN-1997 CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94104
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.3%; Score 24; DB 2; 100.0%; Pred. No. 0.27;
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  0;
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  Gaps
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RESULT 15 US-08-171-385-22/c ; Sequence 22, Application US/08171385

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Query Match
Best Local Similarity
""+"ches 23; Conserva
 밁
                                                                                                                                         ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PrimerRGP; OTHER INFORMATION: RR713
US-09-306-290-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 14
US-09-306-290-16/c
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US-09-306-290-11/c
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Patent No. 6221635
GENERAL INFORMATION:
APPLICANT: Rovera, Giovanni
APPLICANT: Mukhopadhyay, Sunil
TITLE OF INVENTION: METHODS ROLID-PHASE AMPLIFICATION OF DNA TEMPLATE
TITLE OF INVENTION: (SEADT) USING MULTIARRAYS
FILE REFERENCE: 09924-10
                                                                                                                                                                                                                                             SOFTWARE: PatentIn Ver.
SEQ ID NO 16
LENGTH: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 11
LENGTH: 40
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 16, Application US/09306290 Patent No. 6221635
                                                                                                                                                                                                                                                                                        APPLICANT: ROVETA, GIOVANNI
APPLICANT: Mukhopadhyay, Sunil
TITLE OF INVENTION: METHODS FOR SOLID-PHASE AMPLIFICATION OF DNA TEMPLATE
TITLE OF INVENTION: (SPADT) USING MULTIARRAYS
FILE REFERENCE: 09924-10
CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
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                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 68491 GTGTAAAAAAAAAAAAAAAAAAA 68468
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                                 1875 TGTAAAAAAAAAAAAAAAAAAA 1897
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Conservative
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                                                                                     1.2%; Score 23; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.2%; Score 23;
100.0%; Pred. No.
                                                                  0; Mismatches
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                                                                                                      DB 4;
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RESULT 16
US-08-361-441B-22/c
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SEQUENCE CHARACTERISTICS:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 3.5" Diskette, 5.44 Mb

COMPUTER: IBM PS/2 Model 502 or 55SX

COMPUTER:
                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
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                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: RUSSEll, Mary E.
APPLICANT: Utans, Ulrike
TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 05
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION: NAME: Fraser, Janis K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Mary E. Russell APPLICANT: Ulrike Utans
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TELEFAX: 200154
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                                                                                                                                                                                                                 COUNTRY: USA
ZIP: 02110-2804
                                                                                                                                                                                                                                                                                                                                                                           STREET:
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                               SOFTWARE: FastSEQ for Windows Version 2.0b
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225 Franklin Street
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RESULT 17
US-08-171-385-27/c
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 321 base pairs
                                                                                                NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/11
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PS/2 Model 502 or 558X
OPERATING SYSTEM: MS-DDS (Version 5.1)
SOPTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                     FILING DATE: CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
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                                   SEQUENCE CHARACTERISTICS:
LENGTH: 340
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                                                                                     TELEFAX: (617
TELEX: 200154
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REGISTRATION NUMBER:
                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
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     STRANDEDNESS:
                      TYPE:
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                     nucleic acid
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double
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 Mismatches

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RESULT 19
US-08-171-385-20/c
; Sequence 20, Application US/08171385
; Patent No. 5527884
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                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                 Matches
                                                GENERAL INFORMATION:
APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 27, Application US/08361441B Patent No. 6077948 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171,385
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REGISTRATION NUMBER: 34,819
                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                         1875 ТGТАЛААЛАЛАЛАЛАЛАЛАЛА 1897
                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 05
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATION SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/361,441B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Russell, Mary E. APPLICANT: Utans, Ulrike
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELLEFAX: VI
TELEFAX: 200154
                                                                                                                                                                                                           40 TGTAAAAAAAAAAAAAAAAA 18
                                                                                                                                                                                                                                                                                                                                                                                                     TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: 617/542-8906
                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 340 Dasc TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Fish & Richardson P.C. STREET: 225 Franklin Street
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                                                                                                                                                                                                                                                                      1.2%; Score 23; DB 3; Length 340; 100.0%; Pred. No. 0.91; ative 0; Mismatches 0; Indels
   Rejection
                                Mediators of Chronic Allograft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.2%; Score 23; DB 1;
100.0%; Pred. No. 0.91;
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US-08-361-441B-20/C
; Sequence 20, Application US/08361441B
; Patent No. 6077948
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         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/361,441B
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171,385
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Fraser, Janis K.
REGISTRACION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 05433/006001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Russell, Mary E. APPLICANT: Utans, Ulrike
                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION: NAME: Fraser, Janis K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/171,385
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APPLICATION NUMBER:
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ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                     OPERATING SYSTEM:
                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version 2.0b
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nes 23; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 514
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COUNTRY: U.S.A.
ZIP: 02110-2804
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CITY: Boston
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Fraser,
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100.0%; Pred. No.
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US-08-104-072B-2
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TELEX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                       TELEFAX: 612-332-9081 INFORMATION FOR SEQ ID NO: 2:
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LENGTH: 345 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
                                                                                                                                                                                                                                      APPLICATION NUMBER: EP 91403352.7
FILING DATE: 10-DEC-1991
PRIOR APPLICATION UDATA:
APPLICATION NUMBER: EP 91402590.3
FILING DATE: 27-SEP-1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Michiels, Frank
APPLICANT: Morioka, Sinji
APPLICANT: Schafitlnck, Trees
APPLICANT: Komari, Tosihiko
TITLE OF INVENTION: Stamen-specific Promoters from Rice
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
                                                                               REFERENCE/DOCKET NUMBER: 80
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5300
SEQUENCE CHARACTERISTICS:
LENGTH: 347 base pairs
                                                                                                                                                          FILING DATE: 08-FEB-1991 ATTORNEY/AGENT INFORMATION: NAME: Kowalchyk, Katherine M.
                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
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REFERENCE/DOCKET NUMBER: 05
                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: WO 9200272 FILING DATE: 06-FEB-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 0 CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/104,072B FILING DATE: 05-AUG-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Minneapolis
                                                                                                                                        REGISTRATION NUMBER: 36,848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
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                                                                                                                                                                                                                         APPLICATION NUMBER:
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3100 No. 5639948west Center
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US-08-104-072B-2
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US-08-171-385-14/c
                                               US-08-171-385-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 14, Application US/08171385 Patent No. 5527884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 23; Conserv
Query Match
Best Local Similarity
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APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1875 TGTAAAAAAAAAAAAAAAAAA 1897
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ORIGINAL SOURCE:
                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 05-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPHONE: (617) 542-8906
                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,8
                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: WordPerfect (Version 5.1) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: 3.5" DI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Mediators TITLE OF INVENTION: Rejection
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TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
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                                                                        TYPE: nucleic acid
STRANDEDNESS: doub
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                                                                                                                                                           TELEX:
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                                                              TOPOLOGY:
                                                                                                         LENGTH:
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                                                                            double
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1.2%;
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sequence"
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 Score 23;
Pred. No.
   DB 1;
0.91;
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                Length 350;
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В Ş

Matches

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RESULT 24
US-09-605-785-357/c
; Sequence 357, Application US/09605785
; Patent No. 6321716
                                                                                                GENERAL INFORMATION:
APPLICANT: XU, Jiango,
APPLICANT: Dillon, I
APPLICANT: Mitcham,
APPLICANT: Harlocke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-361-441B-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-361-441B-14/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEX: 20154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 base --
Type:
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: FastSEQ for WINDOWS Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/361,441B
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171,385
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
TRACE K

APPLICATION TIPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 14, Application US/08361441B Patent No. 6077948
GENERAL INFORMATION:
                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
                                                                                                                                                                                                                                                                                                                                               1875 TGTAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1875 TGTAAAAAAAAAAAAAAAAAAA 1897
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                                                                                                                                                                                                                                                                                                                                                                                 y Match 1.2%; Score 23; DB Local Similarity 100.0%; Pred. No. 0. thes 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                            43 TGTAAAAAAAAAAAAAAAAAA 21
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     Henderson, Robert A.
Kalos, Michael D.
Fanger, Gary R.
Retter, Marc W.
                                                                                                                  Xu, Jiangchun
Dillon, Davin C.
Mitcham, Jennifer L.
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                                                                              Jiang, Yugu:
                                                                                              Harlocker, Susan L.
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       RESULT 26
US-09-352-616A-357/c
; Sequence 357, Application US/09352616A
; Patent No. 6395278
                                                                                                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-357
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-605-785-357
GENERAL INFORMATION:
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SEQ ID NO 357
LENGTH: 393
                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT EAPLICATION NUMBER: US/09/439,313
CURRENT ETLING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
NUMBER OF SEQ ID NOS: 575
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennife
APPLICANT: Harlocker, Susar
APPLICANT: Jiang Yugui
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CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C16
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Retter, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Reed, Steven G.
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Skeiky, Yasir A.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Li, Samuel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Carter, Darrick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Day, Craig H.
Vedvick, Thomas
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APPLICANT:

APPLICANT:

Matches

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; SOFTWARE: FastSEQ for I
; SEQ ID NO 357
; LENGTH: 393
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-357
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US-09-014-969-5
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Patent No. 5965397
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yuqui
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
APPLICANT: MItcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.42708
                                                                                                                    TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT: Merberg, David
APPLICANT: Treacy, Waurice
APPLICANT: Spaulding, Vikki
APPLICANT: Spaulding, Vikki
APPLICANT: Agostino, Michael J.
APPLICANT: NICENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
TITLE OF INVENTION: ENCODING THEM
                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/014,969
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                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                     TELEPHONE: (617) 498-8284
                       MOLECULE TYPE: cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 87 Cambridge
                                                                                  TYPE: nucleic acid
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ZIP: 02140
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                                           TOPOLOGY:
                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                   FILING DATE:
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                                                                                                     LENGTH:
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                                                                                                     413 base pairs
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McCoy, John M.
LaVallie, Edward
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                                             linear
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                                                              double
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RESULT 28
US-09-605-785-353/c
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US-09-439-313-353/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapien US-09-605-785-353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C16

CURRENT APPLICATION NUMBER: US/09/605,785

CURRENT FILING DATE: 2000-06-27

NUMBER OF SEQ ID NOS: 835

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 353

TENCTURE OF SEQ ID NOS: 835

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                          Sequence 353, Application US/09439313 Patent No. 6329505
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Best Local Similarity
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                              GENERAL INFORMATION:
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APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
                                                                                                                                                                                                            APPLICANT: Xu, Jiangchun APPLICANT: Dillon, Davin C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
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Local Similarity 100.0%;
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                                                                                     Fanger, Gary
Retter, Mark
                                                                                                                                      Reed, Steven G
                                                                                                                                                        Jiang Yuqui
                                                                                                                                                                                          Mitcham, Jennifer L.
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Carter, Darrick
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Day, Craig H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mitcham, Jennifer L.
                                                                                                                        Kalos, Michael
                                                                                                                                                                           Harlocker,
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Retter, Marc W.
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Fanger, Gary R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Jiang, Yuqui
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Harlocker,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  i, Samuel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                          Susan Louise
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Robert A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Susan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.2%; Score 23; DB 2; 100.0%; Pred. No. 0.89;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 23; DB 4; Pred. No. 0.89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 436;
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US-09-352-616A-353/c
; Sequence 353, Application US/09352616A
; Patent No. 6395278
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CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 353
                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Rudolf Jung
APPLICANT: Francois B
                                                                                                                                                                                                                                                                                                                                                  Sequence 35, Application US/09372422A Patent No. 6313375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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APPLICANT: Miccham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE

FILE REFERENCE: 210121.427C8

CURRENT APPLICATION NUMBER: US/09/352,616A

CURRENT FILING DATE: 1999-07-13

NUMBER OF SEQ ID NOS: 472

SCRUBBER OF SEQ ID NOS: 472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                       NUMBER OF SEQ ID NOS: 49
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 35
LENGTH: 442
TYPE: DNA
ORGANISM: Zea mays
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                                                                                                                                                                       APPLICANT: Francois Barrieu
TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
FILE REFERENCE: 0919
CURRENT APPLICATION NUMBER: US/09/372,422A
CURRENT FILING DATE: 1999-08-11
PRIOR APPLICATION NUMBER: US 60/098,692
PRIOR FILING DATE: 1998-08-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 436
                                          FEATURE:
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                      NAME/KEY: CDS
LOCATION: (2)...(257)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.2%; Score 23; DB ilarity 100.0%; Pred. No. 0.: Conservative 0; Mismatches
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100.0%; Pred. No.
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0.89;
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                                                                            ; TYPE: DNA
; ORGANISM: Plant
US-08-842-445-29
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US-08-842-445-29/c
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LENGTH: 502
TYPE: DNA
ORGANISM: OTYZA SP.
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CURRENT APPLICATION NUMBER: US/09/186,276B

CURRENT FILING DATE: 1998-11-05

PRIOR APPLICATION NUMBER: 08/842,445

PRIOR FILING DATE: 1997-04-24

PRIOR APPLICATION NUMBER: 08/638,617

PRIOR FILING DATE: 1996-04-26

NUMBER OF SEQ ID NOS: 79

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Benfey, Philip APPLICANT: DiLaurenzio, La APPLICANT: Wysocka-Diller, APPLICANT: Malamy, Jocelyn APPLICANT: Pysh, Leonard APPLICANT: Helariutta, Yrj
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 29, Application US/09186276B Patent No. 6388173
GENERAL INFORMATION:
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Best Local Similarity 100.0%;
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                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Benfey et al.
                                                                                                                                                  SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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Query Match
Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 29, Application US/08842445A Patent No. 6441270
                                                                                                                                                                                                      TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses TITLE OF INVENTION: Thereof FILE REFERENCE: 5914-056-999 CURRENT APPLICATION NUMBER: US/08/842,445A CURRENT FILING DATE: 1997-04-24 EARLIER APPLICATION NUMBER: 08/638,617 EARLIER FILING DATE: 1996-04-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Malamy, Jocelyn E.
APPLICANT: Pysh, Leonard
APPLICANT: Helariutta, Yrjo
TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses Thereof
                                                                                                                                                                                        NUMBER OF SEQ ID NOS:
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                                                                                                                                  LENGTH: 502
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les 23; Conserv
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100.0%; Pred. No.
                  100.0%;
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                    1.2%; Score 23; DB 4;
100.0%; Pred. No. 0.88;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Joanna
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 Mismatches

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0.88;
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                                        Length 502;
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1875 TGTAAAAAAAAAAAAAAAAAA 1897

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GENERAL INFORMATION:
APPLICANT: Benfey et al.
TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses
TITLE OF INVENTION: Thereof
FILE REFERENCE: 5914-074-999
CURRENT APPLICATION NUMBER: US/09/186,188B
CURRENT FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: 08/842,445
PRIOR APPLICATION NUMBER: 08/842,445
PRIOR APPLICATION NUMBER: 08/842,445
PRIOR APPLICATION NUMBER: 08/638,617
PRIOR FILING DATE: 1997-04-24
PRIOR FILING DATE: 1996-04-26
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US-08-462-894-5
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APPLICANT: NOESKE
APPLICANT: HAENDL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 502
TYPE: DNA
ORGANISM: Plant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 79
                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1875 ТСТААЛААЛАЛАЛАЛАЛАЛАЛА 1897
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APPLICANT:
APPLICANT:
APPLICANT:
                                                                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: CUEVAS-AGUIRRE, DELIA
TITLE OF INVENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
            APPLICATION NUMBER: US 08/206,185 FILING DATE: 07-MAR-1994 APPLICATION NUMBER: US 08/116,889 FILING DATE: 07-SEP-1993
                                                                                                                                       APPLICATION NUMBER: FILING DATE: 05-JUI
                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: MILLEN, WHITE, ZELANO & BRANIGAN, P.C
STREET: 2200 CLARENDON BLVD., SUITE 1400
CITY: ARLINGTON
                                                                                                                                                                                                                                                                                                                          COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ALAGON, ALEJANDRO POSSANI, LOURIVAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HAENDLER, BERNHARD
KRAETZSCHMAR, JOERI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SCHLEUNING, WOLF-DIETER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NOESKE-JUNGBLUT, CHRISTIANE
                                                                                                                                       05-JUN-1995
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100.0%; Pred. No. 0.88;
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RESULT 36
US-08-206-185-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5, Application US/08206185 Patent No. 5756454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:

NAME: HAMLET-KING, DIANA
REGISTRATION NUMBER: 33,30
                                                                                                                                        ZIP: 22201

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US OF FILING DATE: 07-SEP-1993 PRIOR APPLICATION DATA:
                                                       CLASSIFICATION: 530
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/116,889
                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                            STREET: 2200
CITY: ARLINGTON
CTATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1875 TGTAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: COLLAGENTITLE OF INVENTION: INHIBITOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            508 TGTAAAAAAAAAAAAAAAAAA 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: 703-243-6333
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APPLICATION NUMBER: US 0
FILING DATE: 31-DEC-1991
                  APPLICATION NUMBER:
                                                                                                                     APPLICATION NUMBER: US/08/206,185 FILING DATE: 07-MAR-1994
                                                                                                                                                                                                                                                              COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                       E: MILLEN, WHITE, ZELANO & BRANIGAN, P.C
2200 CLARENDON BLVD., SUITE 1400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  530 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HAENDLER, BERNHARD
                                                                                                                                                                                                                                                                                                                                                                                                                                   CUEVAS-AGUIRRE, DELIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ALAGON, ALEJANDRO
POSSANI, LOURIVAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KRAETZSCHMAR, JOERN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SCHLEUNING, WOLF-DIETER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NOESKE-JUNGBLUT, CHRISTIANE
UMBER: WO PCT/EP92/02052
04-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                            COLLAGEN-INDUCED PLATELET AGGREGATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.2%; Score 23; DB 1; 100.0%; Pred. No. 0.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US 07/756,211
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PRIOR APPLICATION DATA:

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SOPTWARE: Microsoft Office 97
SEQ ID NO 7

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                                                                                                                  RESULT 38
US-09-385-982-262/c
; Sequence 262, Application US/09385982
; Patent No. 6262334
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Best Local S
Matches 23
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Disease Resistance Factors
FILE REFERENCE: BB1252 US NA
CURRENT APPLICATION NUMBER: US/09/433,248A
CURRENT FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,242
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 8
NUMBER OF SEQ ID NOS: 8
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APPLICATION NUMBER: US 07/756,211

FILING DATE: 05-SEP-1991

ATTORNEY/AGENT INFORMATION:

NAME: HAMLET-KING, DIANA

REGISTRATION NUMBER: 33,302

REFERENCE/DOCKET NUMBER: SCH 1359

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-243-6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Han, Feng
APPLICANT: Rafalski, J. Antoni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Falco, S. Carl APPLICANT: Famodu, Omolayo O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 530 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 703-243-6333
TELEFAX: 703-243-6410
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1875 ТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛА 1897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 17-JUL-1 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                           563 TGTAAAAAAAAAAAAAAAAAAA 585
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Local Similarity 100.0%; Pred. No.
hes 23; Conservative 0; Mismatch
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100.0%; Pred. No.
1tive 0; Mismatci
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 Mismatches

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0.88;
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0.87;
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US-09-575-602-1
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CURRENT FILING DATE: 1999-08-30
EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 544
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO:1:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 262
LENGTH: 593
                                                                                                                                                                                                                                                                               Sequence 1, Application US/09575602
Patent No. 6392123
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.2%;
Best Local Similarity 100.0%;
Matches 23; Conservative
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 593
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: n - A,T,C or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature LOCATION: (1)...(593)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1875 TGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/351,008
FILING DATE:12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ent No. 5212073

APPLICANT: ROLLINS, BARREIT; STILES, CHARLES; WONG, GORDON G.
TITLE OF INVENTION: PROCESS FOR PRODUCING HUMAN JE CYTOKINE
NUMBER OF SEQUENCES: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                       1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                     APPLICANT: Crossland, Lyle D
APPLICANT: Harper, Stacy M
TITLE OF INVENTION: Method of Hybrid Seed Production
TITLE OF INVENTION: Conditional Female Sterility
NUMBER OF SEQUENCES: 14
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                      CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    75 TGTAAAAAAAAAAAAAAAAAA 53
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nes 23; Conserv
                                                                              STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 752
                                          ZIP: 22057
                                                        COUNTRY:
                                                                                               CITY: Research Triangle Park
                                                                                                               STREET:
                                                                            NCNY
                                                                                                                   P.O.
                                                            USA
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                                                                                                                                    Dept.
                                                                                                                                                      No. 6392123artis Corporation - Patent & Trademark
                                                                                                                   Box 12257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; P
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Pred No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
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0.87;
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RESULT 41
US-08-032-393-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No. 5332660 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, Application US/08032393 Patent No. 5332660
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1:
TELECOMMUNICATION INFORMATION: TELEPHONE: 202-371-8850
                                 ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                OPERATING SYSTEM: MS-DOS SOFTWARE: DisplayWrite CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "cDNA sequence for
DESCRIPTION: female-preferential transcript designated B20014-2"
                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS: ADDRESSEE: Wenderoth,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 40,403
REFERENCE/DOCKET NUMBER: CGC 1915/Reg
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8582
                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             747 TGTAAAAAAAAAAAAAAAAAA 769
                                                                                                                                                                 CLASSIFICATION: 435
                                                                                                                          APPLICATION NUMBER: US/07/729,414
                                                                                                                                                                                               APPLICATION NUMBER: US/08/032,393
                                                                                                                                                                                                                                                                       COMPUTER:
                                                                                                                                                                                                                                                                                                                          ZIP: 20005
                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                            CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: 919-541-8689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/09/575,602
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleic acid
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                                                                                                                                                                                                                                                                                                                                                             D.C.
                                                                                                                                                                                                                                                                                                                                                                                           E: Wenderoth, Lind & Ponack 805 Fifteenth Street, N.W.,
                                                                                                                                                                                                                                                                                                                                          U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Osamu TAKEDA et al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                    IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.2%; Score 23; DB 4;
100.0%; Pred. No. 0.85;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                    5.25 inch, 500 kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 772;
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RESULT 42
US-08-252-966B-15
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                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Eisenma.
APPLICANT: Hurlin,
APPLICANT: Ayer, D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15, Application US/08252966B Patent No. 5624818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 933 base pairs
TYPE: nucleic acid
                                                                                                                    NUMBER OF SEVERILL CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, Jonath Connor, Connor, Connor, Jonath Connor, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Regulatory Proteins that Dimerize with TITLE OF INVENTION: Mad or Max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          911 TGTAAAAAAAAAAAAAAAAAAA 933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 POSITION IN GENOME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANELLE:
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                        STREET: 1420 Fift]
CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity nes 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JOURNAL: VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
LOCATION:
                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PUBLICATION DATE: RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IDENTIFICATION METHOD: OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CHROMOSOME/SEGMENT: MAP POSITION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DOCUMENT NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PAGES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            UNITS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CELL TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DEVELOPMENTAL STAGE: HAPLOTYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LIBRARY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INDIVIDUAL ISOLATE
98101-2347
                                                                                                                                                                                                                                                                                                                                                                                       Eisenman, Robert N.
Hurlin, Peter J.
                                                                                                                                                                                                                                                                                                                                                             Ayer, Donald E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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                                                                                                                                                                            Johnson, and KindnessPLLC
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APPLICANT: Hitz, William D.

APPLICANT: Hitz, William D.

APPLICANT: Kinney, Anthony J.

APPLICANT: Kinney, Anthony J.

APPLICANT: Cahoon, Rebecca E.

APPLICANT: Rafalski, J. Antoni

TITLE OF INVENTION: PLANT BRANCHED CHAIN AMINO ACID BIOSYNTHETIC ENZ

FILE REFERENCE: BB-1126

CURRENT APPLICATION NUMBER: US/09/173,300

CURRENT FILING DATE: 1998-10-15

EARLIER APPLICATION NUMBER: 60/063,423

EARLIER FILING DATE: 1997 October 28

SOFTWARE: Microsoft Word Version 7.0A

SEQ ID NO 21

FENOTUR: 1162
                                                       Query Match
Best Local Similarity
Matches 23; Conserve
                                                                                                                                                     ; LENGTH: 1162
; TYPE: DNA
; ORGANISM: Glycine max
US-09-173-300-21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21, Application US/09173300 Patent No. 6451581 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (206) 224-0779
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: cDNA to mRNA DESCRIPTION: clone 19; see Figure 26 HYPOTHETICAL: NO ORIGINAL SOURCE:
1132 TGTAAAAAAAAAAAAAAAAAAA 1154
                                 1875 ТСТАРААРАРАРАРАРАРАРА 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1875 TGTAAAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Shelton, Dennis K.
REGISTRATION NUMBER: 26,997.
REFERENCE/DOCKET NUMBER: FHCR17694
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 1008 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: LBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        975
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/252,966B FILING DATE: 01-JUN-1994 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Mus musculus
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                                                                     1.2%; Score 23; ilarity 100.0%; Pred. No. Conservative 0; Mismatc
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100 Nismatches
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                                                                         Mismatches
                                                                                           DB 4; Length 1162; 0.82;
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0.83;
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US-07-869-933-10

RESULT 44

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WS-09-103-663-10
US-09-103-663-10
: Sequence 10, Application US/09103663D
: Patent No. 6171803
: GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-07-869-933-10
                                                            SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPATIBLE

COMPUTER: IBM PC COMPATIBLE

SOFTWARE: PC-DOS/MS-DOS

SOFTWARE: PC-DOS/MS-DOS

SOFTWARE: PAtentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/869,933

FILING DATE: 19920416

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: BENT. Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 40399/154 NIHD

TELEPOMMUNICATION INFORMATION:

TELEPHONE: (703)836-9300

TELEFAX: (703)836-9300

TELEFAX: (703)836-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 10, Application US/07869933 Patent No. 5770396
                                                                                                     CURRENT APPLICATION NUMBER: US/09/103,663D CURRENT FILING DATE: 1998-06-23 EARLIER APPLICATION NUMBER: 07/869,933 EARLIER FILING DATE: 1992-04-16 NUMBER OF SEQ ID NOS: 35
                                                                                                                                                                                                             APPLICANT: Kinet et al. ITILE OF INVENTION: Isolation, characterization, and use of the human beta TITLE OF INVENTION: subunit of the high affinity receptor for TITLE OF INVENTION: immunoglobulin E. FILE REFERENCE: 50490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: KINET, Jean-Pierre
APPLICANT: KINET, Jean-Pierre
TITLE OF INVENTION: ISOLATION, CHARACTERIZATION, AND USE OF
TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
TITLE OF INVENTION: IMMUNOGLOBULIN
NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
                        TYPE: DNA
ORGANISM: Homo sapiens
                                             LENGTH: 1174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1150 TGTAAAAAAAAAAAAAAAAAAA 1172
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LENGTH: 1174 base pairs
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE
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TELEFAX: 899149
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ZIP: 22313-0299
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Foley & Lardner STREET: 1800 Diagonal Road, Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
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Search completed: November 7, 2002, 23:21:20 Job time: 366.085 secs
                                                                              ; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)..(880)
US-09-103-663-10
                                                                                                                                                            Query Match 1.2%; Score 23; DB 4; Length 1174; Best Local Similarity 100.0%; Pred. No. 0.82; Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Result
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Maximum DB seq length: 200000000
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Perfect score:
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                                                                                                                                                                                                                                                                                                                  Score
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Match Length
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. //gn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
. //gn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
. //gn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
. //gn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
. //gn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
. //gn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
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Copyright (c) 1993 - 2002 Compugen Ltd
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US-09-825-294-215
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US-09-825-294-213
US-09-825-294-213
US-09-825-294-199
US-09-867-701-1516
US-09-867-701-2409
US-09-867-701-8894
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Sequence 214, App
Sequence 205, App
Sequence 211, App
Sequence 210, App
Sequence 208, Ap,
Sequence 208, Ap,
Sequence 213, App
Sequence 199, App
Sequence 199, App
Sequence 210, App
Sequence 210, App
Sequence 212, App
Sequence 212, App
Sequence 4240, Ap
Sequence 4251, Ap
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Sequence 286, App	286,	, ,	200	286.	286,	286,		o.	286,		15	'n	38	89	62	12	43	Sequence 315, App	58	58	10	58	14	51		Sequence 9079, Ap

ALIGNMENTS

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APPLICANT: XL. Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Hing, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 214

LENCTH: 1897

TYPE: DNA

TYPE: DNA
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                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1897)
; OTHER INFORMATION: n = A,T,C or
US-09-825-294-214
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                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 1897; Conserv
121 AGCTACGACCGTCGTCTCCGCGGCAGCAGCGGGGGCCCCAGCAGCCTCGGCAGCCACAGC
                   121 AGCTACGACCGTCGTCTCCGCGGCAGCAGCGGGGGCCCCAGCAGCCTCGGCAGCCACAGC
                                                                            61
                                                                                                       61 CAGCCGGGAGCCCGAGCGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTA 120
                                                                                                                                            CAGCCGGGAGCCCGAGCGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTA
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100.0%; Pred. No. 0;
Live 0; Mismatches
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                                                                                                    GAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGAGTTGGGCTCTAGTGACT
                                                                                                                                                              GGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCT 1140
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AAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCT
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GENERAL INFORMATION:
APPLICANT: XU, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: THERAPY AND METHODS FOI
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OI
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
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SOFTWARE: FastSEQ for Windows V.
SEQ ID NO 205
LENGTH: 1619
TYPE: DNA
ORGANISM: Homo sapiens
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                                                              ACGCGAAGAGCAACGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1359
                                                                                                                CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGGG 1299
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                                                  ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
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APPLICANT: X. Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA

FILE REFERENCE: 21012. 48405

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

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ORGANISM: Homo sapiens
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CAGCTTCTTTTGCCACAAGCAAGAGAAATTTAACACTGTTTCAAACCCGGGGAGTTGG 1560
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CF
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
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FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(625)
OTHER INFORMATION: n = A,T,C
US-09-825-294-210
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LENGTH: 625
TYPE: DNA
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Best Local
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 CATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCC 1630
                                                                                          CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Jones, Robert
ITITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
ITITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLICATION NUMBER: US/29/867,701
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10876
LENGTH: 625
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US-09-867-701-10876
Sequence 10876, Application US/09867701
Patent No. US20020132237A1
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ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc_feature LOCATION: 607
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Patent No. US20020004491A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 208
LENGTH: 1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: XU Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
                                                      1364 CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGGCAGCAGCAGCAGCACAGCACGAA 1423
                                                                                                                                                                                                                        1184 GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                                                                                                                                                                  1362 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGA 1303
              1424 CACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG
                                                                                                             1304 GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
                                                                                                                                                                                                                                                                                           1124 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGA 1183
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                                                                                                                                                   CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGC
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                                                                                              GAAGAGCAACGGGCGCTGCACAAAGCGGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
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                                                                                                                                                                                                                                                                                                                                     Score 506; DB 10; 1; Pred. No. 1.4e-199;
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; ORGANISM: Homo sapiens
US-09-825-294-213
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CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: EASTSEQ for Windows Version 3.0
SEQ ID NO 213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 213, Application US/09825294 Patent No. US20020004491A1 GENERAL INFORMATION:
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GCCAACTCCGGAGGCTCTGGTGCTCGGCCCCGGGAGCCGGAGCGGGAGGAGACCCG
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CGCTGCAGCCGGGCAGCCTCCGCTGCTGCCCTCCTGATGCGCTTGCCCTCTCCCG
                                                                            CAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTG 420
                                                                                                                                      CTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAA 360
                                                                                                                                                                                 AGCTACGACCGTCGTCTCCGCGGCAGCAGCGGCGCGCCCCAGCAGCCTCGGCAGCCACAGC 180
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                                                           CAACGACTGCTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTG
                                                                                                                         CTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAA
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Pred. No. 3.7e-166;
0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 480;
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121, 484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 9
LENGTH: 396
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CF

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 199
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Patent No. US20020004491A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NAME/KEY: misc_feature; LOCATION: (1)...(396); OTHER INFORMATION: n = A,T,C US-09-825-294-9
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US-09-825-294-9
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                                                                                                                                                                                                                                                               Sequence 199, Application US/09825294 Patent No. US20020004491A1
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Best Local Similarity 100.0%;
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TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                       TTGTAACGGGCCAAGG 320
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Sequence 1516, Application US/09867701

Patent No. US20020132237A1

GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION UNMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1516
LENGTH: 373
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; ORGANISM: Homo sapien
US-09-867-701-1516
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Best Local Similarity
                                                                                                                                                                                                           Matches 315;
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
LOCATION: (1)...(369)
OTHER INFORMATION: n = A,T,C or G
1683 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC 1742
                                                                                                  1623
                                                                                                                                                             1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1622
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                                                                          CTGCCTCGGCCCTCA 623
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                                                                                                                             GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 256
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                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                   16.6%; Score 315; DB 10; Length 373; 100.0%; Pred. No. 8.3e-121; tive 0; Mismatches 0; Indels
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; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 2409

; LENGTH: 349

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-867-701-2409
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Matches
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                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
                                                                                                                                                                                                                                           1870 GACAGTG 1876
                                                        1690 GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1749
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nes 307; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15 TGCTTTAGACAGTGT 1
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                                                                                                                                           GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 131
                                             Conservative
                                                                                                                                                                                                                                                                                                        16.2%; Score 307; DB 10; 1 100.0%; Pred. No. 1.6e-117;

 Mismatches

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US-09-825-294-212
Sequence 212, Application US/09825294
Patent No. US20020004491A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchu
APPLICANT: Xu, Jiangchu
APPLICANT: Algate, Paul A.

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-825-294-212
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.488C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 212
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                                                                                                                                                                                                                                               Query Match 13.9%;
Best Local Similarity 99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: HARLOCKER, SUSAN L.
TIPLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT EPILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 4240
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                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapien
1683 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC 1742
                                                                                         1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1622
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                                              255
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                                            GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 256
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                                                                                                                                                                                                                            314;
                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                  Score 264; DB 10;
Pred. No. 8.7e-100;
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US-09-867-701-8894/c

; Sequence 8894, Application US/09867701

; Patent No. US20020132237A1
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US-09-867-701-1532
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-8894
                                                      APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: HARLOCKER, SUSAN L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEO ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEO ID NO 1532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8894
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                                                                                                                                                                                                                                                                                                  Sequence 1532, Application US/09867701 Patent No. US20020132237A1
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Best Local Similarity 100.0%; P
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APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REPERENCE: 210121.497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/867,701 CURRENT FILING DATE: 2001-05-29
                  LENGTH: 390
TYPE: DNA
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1561 TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1501 AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1560
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                                                                                                                                                                                                                                                                                                                                                                                                                             61
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APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: COMPOSITIONS OF OVARIAN CANCER

FILE REFERENCE: 2101.21.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 7826

LENGTH: 381

TYPE: DNA

ORGANISM: Homo sapien

US-09-867-701-7826
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US-09-867-701-4251
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                   GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497
                                                                                                                                                                  Sequence 4251, Application US/09867701 Patent No. US20020132237A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches 125;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
CURRENT APPLICATION NUMBER: US/09/867,701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Aglate, Paul A. APPLICANT: Jones, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: (1)...(390)
OTHER INFORMATION: n = A,T,C or G
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                                                                                                                                                                                                                                                                                                                                   1358 TACGC 1362
                                                                                                                                                                                                                                                                                                                                                                                               1298 GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATG 1357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1238 CTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGGACTGGCGCCG 1297
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1696 GAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC 1755
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         267 CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
                                                                                                                                                                                                                                                                                                                                                                          GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGGGCGCTGTCGGTGGGAGTGCGCATG 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h Similarity 100.0%; P
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100.0%; Pred. No. 1.8e-42;
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100.0%; Pred. No. 2e-54;
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APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 2375

LENGTH: 558
                                                                                                                                                            US-09-834-975-825; Sequence 825, Application; Patent No. US20020110815A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; TYPE: DNA
; ORATURE:
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(558)
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-2375
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US-09-867-701-4251
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Best Local Similarity
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    APPLICANT: Lillie, James
APPLICANT: Brown, Jeffrey
APPLICANT: Bolt, Andrew
APPLICANT: Wolf, Andrew
APPLICANT: Van Huffel, Christophe
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS AND METHODS
TITLE OF INVENTION: FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
TITLE OF INVENTION: OF HUMAN CANCERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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FILE REFERENCE: MRI-016B
                                                                                                                                                                                                                                                                                                                                                    1468 TGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCC 1527
                                                                                                                                                                                                                                                                                                                                                                                                                                         1408 ACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACCACCGTGTACAGGAGCGGGT 1467
                                                                                                                                                                                                                                                                                                                                                                                               134 ACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGACACCGTGTACAGGAGCGGGT 193
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                                                                                                                                                                                                         Application US/09834975
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; OTHER INFORMATION: Clone ID: 39-LIB3058-009-Q1-K1-B12
US-09-960-352-9079
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; LCCATION: (1)...(1368)
; OTHER INFORMATION: n = A,T,C
US-09-834-975-825
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APPLICANT: Mathialgan, Nagappan
APPLICANT: Mathialgan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 9079
LENGTH: 152
                                                                                                                                                                                                                                    Sequence 4911, Application Patent No. US20020132237A1 GENERAL INFORMATION:
                      SEQ ID NO 4911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                              APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: HARLOCKER, SUSAN L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
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Best Local (
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LENGTH: 1368
                                                                                                                                                                                                                                                                                            -09-867-701-4911/c
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CURRENT FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/197,538
PRIOR FILING DATE: 2000-04-14
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SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 363
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100.0%; Pred. No.
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0.042;
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US-09-867-701-5174/c
                                                                         US-09-919-580-143
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-5174
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                                                                                                                                                                                SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 143
LENGTH: 568
TYPE: DNA
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                  Query Match
Best Local Similarity
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Best Local (
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APPLICANT: Yu, Jiangchun
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/919,580
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 934
                                                                                        FEATURE:
NAME/KEY: misc_feature
LOCATION: 62, 74, 231,
OTHER INFORMATION: n =
                                                                                                                                                                 ORGANISM: Homo sapiens
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Local Similarity 100.0%; Pred. No.
nes 25; Conservative 0; Mismarri
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Similarity 100.0%; Pred. No.
 Conservative
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                1.3%;
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A,T,C or G
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                Score 25;
Pred. No.
 Mismatches
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                                                                                                           510, 532,
                  DB 10;
0.29;
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                                   Length 568;
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RESULT 25
US-09-770-696-104
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                                                                                                                                                                                                                                                                                                                                                                                    Sequence 104, Application US/09770696 Patent No. US20010044940A1
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 584
LENGTH: 2968
TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                                                                                                             APPLICANT:
APPLICANT:
APPLICANT:
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PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Rosen et al. TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies FILE REFERENCE: PA106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
                                                                                                                                                                                                                                                                                                                              APPLICANT: Gorlach, Jorn APPLICANT: An, Yong-Qian
                                                                        APPLICANT:
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LOCATION: (2961)
OTHER INFORMATION: n equals a,t,g, or
                                                       APPLICANT:
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LOCATION: (2964)
OTHER INFORMATION: n equals a,t,g, or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: n equals a,t,g, NAME/KEY: m1sc_feature LOCATION: (1437)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: misc_feature LOCATION: (454)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.0%; Pred. No. 125; Conservative 'A'. "
OF INVENTION: Expressed Sequences of Arabidopsis
                                                                                                                                                                                                                                                                                        Hamilton, Carol M. Price, Jennifer L.
                                                                                     Garcia, Carlos A.
Kricker, Maja
Slader, Ted
                                                                                                                                             Woessner, Jeffrey P.
Haas, William David
                                                                                                                                                                             Matthew, Abraham V.
Ledford, Brooke L.
                                                                                                                                                                                                                                    Yu, Yang
Rameaka, Joshua G.
                 Hoffman, Neil
Hurban, Patrick
                                                                    Davis, Keith R.
                                                                                                                                                                                                                                                                         Raines,
                                                     Allen, Keith
                                                                                                                                                                                                                                                                                                                          Yong-Qiang
                                                                                                                                                                                                                   Amy
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; TITLE OF INVENTION: thaliana
; FILE REFERENCE: 2031US (PARA-020PRV)
; CURRENT APPLICATION NUMBER: US/09/770,696
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,278
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 911
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 104
; ELNGTH: 208
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-696-104
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                                                                                                                                                                                    Sequence 58, Application US/10033528 Patent No. US20020131971A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/920,300A
CURRENT FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 1789
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 58, Application US/09920300A Patent No. US20020136728A1
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Best Local Similarity
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      APPLICANT: King, Gordon E.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.547C1
CURRENT APPLICATION NUMBER: US/10/033,528
CURRENT FILING DATE: 2001-12-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: King, Gordon E.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.547
NUMBER OF SEQ ID NOS: 1896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature
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              RESULT 29
US-09-924-035A-439/c
; Sequence 439, Application US/09924035A
; Patent No. US20020142319A1
                                                                                                           В
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; SCOTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 315
; LENGTH: 373
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-791-315
                                                                                                                                                                                                                                                                                                                               APPLICANT: Hurban, Patrick
TITLE OF INVENTION: Expressed Sequences of A
TITLE OF INVENTION: thaliana
FILE REFERENCE: 2029 (PARA 018PRV)
CURRENT APPLICATION NUMBER: US/99/770,791
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/178,480
PRIOR PRILING DATE: 2000-01-27
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NAME/KEY: misc_feature

: LOCATION: 258

: OTHER INFORMATION: n = A,T,C or

US-10-033-528-58
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GENERAL INFORMATION:
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Patent No. US20020062014A1
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Best Local
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                                                                                                                        1874 GTGTAAAAAAAAAAAAAAAAAAAAA 1897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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hes 24; Conservative
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Hurban, Patrick
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Hamilton, Carol M.
Price, Jennifer L.
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Allen, Keith
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Ledford, Brooke L.
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Haas, William David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Page, Amy
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Rameaka, Joshua G.
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                                                                                                                                                                                    100.0%;
                                                                                                                                                                                     1.3%; Score 24;
100.0%; Pred. No.
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                                                                                                                                                                                                Length 373;
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; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 125
; LENGTH: 766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA; ORGANISM: Arabidopsis thaliana US-09-924-035A-439
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                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/062,254
CURRENT FILING DATE: 2002-02-01
PRIOR APPLICATION NUMBER: 09/630,346
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/146511
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156096
PRIOR APPLICATION NUMBER: 60/156899
PRIOR FILING DATE: 1999-09-30
PRIOR FILING DATE: 1999-09-30
PRIOR FILING DATE: 1999-09-30
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LENGTH: 419
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                                                                                           PRIOR APPLICATION NUMBER: 60/171515
PRIOR TILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/173535
PRIOR FILING DATE: 1999-12-29
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PRIOR APPLICATION NUMBER: US 60/148,784
PRIOR FILING DATE: 1999-08-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Expressed Sequences of Arabidopsis TITLE OF INVENTION: thaliana FILE REFERENCE: 2011US CURRENT APPLICATION NUMBER: US/09/924,035A CURRENT FILING DATE: 2000-08-11
                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/171054
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: 60/172958
PRIOR FILING DATE: 1999-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Zheng, Peizhong
APPLICANT: Zhu, Qun
TITLE OF INVENTION: Polynucleotides Encoding Proteins Involved In Plant Metabolism
FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 900
SOFTWARE: FastSEQ for Windows Version 3.0
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les 24; Conserv
                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/169767 FILING DATE: 1999-12-09
                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/157287 FILING DATE: 1999-10-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION:
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US20020138882A1
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Zheng, Peizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Falco, Saverio Carl
Fang, Yiwen
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100.0%; F1
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CURRENT APPLICATION NUMBER: US/09/925,300
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 627
LENGTH: 871
                                                                                                                                                                                                                                                                                                                                                                                                 US-10-078-929-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : NAME/KEY: misc feature
: LOCATION: (863)
: OTHER INFORMATION: n equals a,t,g, or US-09-925-300-627
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                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Rafalski, Antoni
APPLICANT: Miao, Guo-Hua
APPLICANT: Falco, Saverio (
APPLICANT: Sakai, Hajime
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Best Local Similarity 100.0%;
Marches 24; Conservative (
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Matches 24; Conserv
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                                                                                                                                                                                                          APPLICANT:
               CURRENT APPLICATION NUMBER: US/10/078,929
CURRENT FILING DATE: 2002-02-19
PRIOR APPLICATION NUMBER: 09/566,394
                                                                        APPLICANT: Thorpe, Catherine
APPLICANT: Weng, Zude
APPLICANT: Weng, Zude
TITLE OF INVENTION: Nucleic Acid Fragments Encoding Proteins Involved in
TITLE OF INVENTION: Stress Response
FILE REFERENCE: BB1357 US NA
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TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
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PRIOR FILING DATE: 2000-05-05
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Odell, Joan T.
Meyers, Blake
Thorpe, Catherine
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Sakai, Hajime
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Pred. No.
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US-09-925-300-384
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SEQ ID NO 384
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SEQ ID NO 89
LENGTH: 939
                                                                                         Matches 24;
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Best Local
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PRIOR ETLING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Steve Ruben
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
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PRIOR APPLICATION NUMBER: 60/133436
PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/137667
PRIOR FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 208
                                                                                                                                                                                        NAME/KEY: misc feature
LOCATION: (1015)
OTHER INFORMATION: n equals a,t,g, or
NAME/KEY: misc feature
LOCATION: (1026)
OTHER INFORMATION: n equals a,t,g, or
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PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133428
PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133438
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PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: 60/133042
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: 60/133427
PRIOR FILING DATE: 1999-05-11
PRIOR FILING DATE: 1999-05-11
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LOCATION: (1014)
OTHER INFORMATION: n equals a,t,g,
                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
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                                         1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
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978 GTGTAAAAAAAAAAAAAAAAAAA 1001
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                                                                                     7 Match 1.3%; Score 24; DB 10; Local Similarity 100.0%; Pred. No. 0.73; nes 24; Conservative 0; Mismatches 0
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us-09-800-528-5

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SEQ ID NO 5
LENGTH: 1046
TYPE: DNA
ORGANISM: Ribes nigrum
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US-09-764-870-15
                                                                                                                     US-09-410-194-14
                                                                                                                                        RESULT 36
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                                                     Sequence 14, Application US/09410194 Patent No. US20020095030A1 GENERAL INFORMATION:
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APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins,
FILE REFERENCE: PTZ14
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Best Local
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PRIOR APPLICATION NUMBER: GB9
PRIOR FILING DATE: 1995-11-03
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PRIOR APPLICATION NUMBER: 09/068,140
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/EP/960
PRIOR FILING DATE: 1996-11-04
PRIOR FILING DATE: 1996-11-04
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CURRENT APPLICATION NUMBER: US/09/800,528

CURRENT FILING DATE: 2001-03-07
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TITLE OF INVENTION: BLACKCURRANT PROMOTERS AND GENES
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                   APPLICANT: Tschopp, Jurg APPLICANT: Thome, Margo
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
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            Thome, Margot
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100.0%; Pred. No.
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; TYPE: DNA; ORGANISM: Homo sapiens; FEATURE: ; FEATURE: ; NAME/KEY: CDS; LOCATION: (394)...(1056) US-09-410-194-14
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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Best Local
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APPLICANT:
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PRIOR APPLICATION NUMBER: PCT/EP98/01857
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
PRIOR FILING DATE: 1997-04-01
                            TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730P1C20 CURRENT APPLICATION NUMBER: US/09/992,598 CURRENT FILING DATE: 2001-11-14
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CURRENT FILING DATE: 1999-09-30
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TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
FILE REFERENCE: 11141-002001
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PRIOR FILING DATE: 1997-06-16
                  PRIOR APPLICATION NUMBER: 60/049787
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Baker, Kevin P.
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Steiner, Veronique
Rimoldi, Donata
                                                                                                                                    Watanabe, Colin K. Williams, P. Mickey Wood, William I.
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                                                                                                                     Zhang, Zemin
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Stewart, Timothy A.
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Godowski, Paul J
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PRIOR OR APPLICATION NUMBER: 60/088025
R FILING DATE: 1998-06-04
PR APPLICATION NUMBER: 60/088026
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088028
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088029
OR APPLICATION NUMBER: 60/088029
OR APPLICATION NUMBER: 60/088029
OR FILING DATE: 1998-06-04 DR APPLICATION NUMBER: 60/087759
DR FILING DATE: 1998-06-02
DR APPLICATION NUMBER: 60/087827
DR FILING DATE: 1998-06-03
DR APPLICATION NUMBER: 60/088021
DR FILING DATE: 1998-06-04 R APPLICATION NUMBER: 60/00 R FILING DATE: 1998-06-10 R APPLICATION NUMBER: 60/00 R FILING DATE: 1998-06-11 R APPLICATION NUMBER: 60/01 R FILING DATE: 1998-06-11 R FILING DATE: 1998-06.
R APPLICATION NUMBER: (R FILING DATE: 1998-06.
R FILING DATE: 1998-06.
R FILING DATE: 1998-06. FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-11 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-12 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088810 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088030 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088033 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088326 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-10 FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/088202 FILING DATE: 1998-06-05 FILING DATE: 1998-0 APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: 60/088738 FILING DATE: 1998-06-10 APPLICATION NUMBER: APPLICATION NUMBER: 60/088212 FILING DATE: 1998-06-05 APPLICATION NUMBER: FILING DATE: 1998-06 APPLICATION NUMBER: 60/066770 FILING DATE: 1997-11-24 FILING DATE: 1998-06-02 APPLICATION NUMBER: FILING DATE: 1998-05-28 APPLICATION NUMBER: 60/ APPLICATION NUMBER: 60/0 FILING DATE: 1998-04-28 APPLICATION NUMBER: 60/078910 FILING DATE: 1998-03-20 APPLICATION NUMBER: APPLICATION NUMBER: 60/062250 FILING DATE: 1997-10-17 APPLICATION NUMBER: 60/065186 FILING DATE: 1997-11-12 APPLICATION NUMBER: 60/084600 FILING DATE: FILING DATE: 1997-11-13 APPLICATION NUMBER: 1998-06-10 NUMBER: 60/088217 1998-06-05 1998-06-09 1998-06-04 1998-06-02 1998-02-60/089105 60/088876 60/088861 60/088858 60/088824 60/088742 60/088734 60/088655 60/088826 60/088167 60/087609 60/087607 60/087106 60/083322 60/075945 60/065311

PRIOR OR FILING DATE: 1998-06-22
OR APPLICATION NUMBER: 60/090252
OR APPLICATION NUMBER: 60/090254
OR FILING DATE: 1998-06-22
OR APPLICATION NUMBER: 60/090349
OR FILING DATE: 1998-06-23
OR APPLICATION NUMBER: 60/090355
OR APPLICATION NUMBER: 60/090353
OR APPLICATION NUMBER: 60/090429
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090431
OR APPLICATION NUMBER: 60/090431
OR APPLICATION NUMBER: 60/090435
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090435
OR FILING DATE: 1998-06-24 OR PILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/089599
OR APPLICATION NUMBER: 60/089599
OR FILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/089600
OR FILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/089653
OR FILING DATE: 1998-06-18
OR APPLICATION NUMBER: 60/089907
OR APPLICATION NUMBER: 60/089907
OR FILING DATE: 1998-06-18
OR APPLICATION NUMBER: 60/089908
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OR APPLICATION NUMBER: 60/090246 OR APPLICATION NUMBER: 60/090695
OR FILING DATE: 1998-06-25
OR APPLICATION NUMBER: 60/090696
OR FILING DATE: 1998-06-25
OR APPLICATION NUMBER: 60/090862
OR FILING DATE: 1998-06-26 FILING DATE: 1998-06-25
RILING DATE: 1998-06-25
RILING DATE: 1998-06-25 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/0 FTI ING DATE: 1998-06-25 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-25 APPLICATION NUMBER: FILING DATE: 1998-00 APPLICATION NUMBER: APPLICATION NUMBER: 60/ FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/ APPLICATION NUMBER: FILING DATE: FILING DATE: 1998-0 APPLICATION NUMBER: APPLICATION NUMBER: 60/089532 FILING DATE: 1998-06-17 FILING DATE: 1998-08
APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER: FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/089512 FILING DATE: 1998-06-1 1998-06-24 1998-06-24 1998-06-24 1998-06-17 1998-06-16 60/090694 60/090690 60/090678 60/090557 60/090542 60/090676 60/090540 60/090535 60/090472 60/090445 60/090444 60/089514 60/089538

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CURRENT APPLICATION NUMBER: US/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR APPLICATION NUMBER: 60/06511
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/06570
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Best Local
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                                                                                                                                                                               TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730P1C63
                                                                                                                                                                                                  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
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OR FILING DATE: 1998-06-26
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OR APPLICATION NUMBER: 60/091478
OR FILING DATE: 1998-07-02
OR FILING DATE: 1998-07-02
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OR APPLICATION NUMBER: 60/091519
OR FILING DATE: 1998-07-02
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Baker, Kevin P.
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Williams, P. Mickey
Wood, William I.
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Godowski, Paul J.
Grimaldi, J.Christopher
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Stewart, Timothy A.
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PRIOR FILING DATE: 1998-04-28
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PRIOR FILING DATE: 1998-05-07 PRIOR FILING DATE: 1998-03-20 PRIOR APPLICATION NUMBER: 60/083322 PRIOR APPLICATION NUMBER: 60/087609 DR REPLICATION NUMBER: 60/089105
OR APPLICATION NUMBER: 60/089105
OR FILING DATE: 1998-06-12
OR APPLICATION NUMBER: 60/089440
IOR APPLICATION NUMBER: 60/089410
IOR APPLICATION NUMBER: 60/089410 OR FILING DATE: 1998-06-10
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DR FILING DATE: 1998-06-10
OR APPLICATION NUMBER: 60/088826
OR FILING DATE: 1998-06-10
OR APPLICATION NUMBER: 60/08858
OR FILING DATE: 1998-06-11
OR FILING DATE: 1998-06-11 OR FILING DATE: 1998-06-05
R APPLICATION NUMBER: 60/088217
DR FILING DATE: 1998-06-05
OR FILING DATE: 1998-06-09
DR APPLICATION NUMBER: 60/088655
DR FILING DATE: 1998-06-09
DR APPLICATION NUMBER: 60/088734
DR APPLICATION NUMBER: 60/088734
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R FILING DATE: 1998-06 APPLICATION NUMBER: 60/075945 FILING DATE: 1998-02-25 APPLICATION NUMBER: 60/078910 APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: APPLICATION NUMBER: 60/ FILING DATE: 1998-05-28 APPLICATION NUMBER: 60/088738
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088742
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810 APPLICATION NUMBER: 60/088033 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088326 FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088029
FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088030 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088028 FILING DATE: 1998-06-02 APPLICATION NUMBER: FILING APPLICATION NUMBER: APPLICATION NUMBER: 60/088212 APPLICATION NUMBER: 60/088026 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088025 FILING DATE: 1998-06-11 APPLICATION NUMBER: 60/088876 APPLICATION NUMBER: 60/089512 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/089514 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/088861 APPLICATION NUMBER: DATE: 1997-11-24 1998-06-04 1998-06-04 1998-06-05 1998-06-05 1998-06-04 1998-06-03 1998-06-02 1998-06-02 NUMBER: 60/089532 1998-06-17 60/088021 60/087607 60/087106 60/087827 60/087759 60/088202 60/088033 60/088167

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PRIOR FILING DATE: 1998-06-22
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PRIOR FILING DATE: 1998-06-22
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                             R FILING DATE: 1998-06-26
R APPLICATION NUMBER: 60/09
RR FILING DATE: 1998-06-26
RR APPLICATION NUMBER: 60/09
RR FILING DATE: 1998-07-01
RR APPLICATION NUMBER: 60/09
RR FILING DATE: 1998-07-02
RR FILING DATE: 1998-07-02
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APPLICATION NUMBER: 60/
FILING DATE: 1998-06-24
                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/090696 FILING DATE: 1998-06-25
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APPLICATION NUMBER: 60/090535
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/091544
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FILING DATE: 1998-06-25
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-19
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FILING DATE: 1998-06-18
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FILING DATE: 1998-06-18
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FILING DATE: 1998-06-17
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FILING DATE: 1998-06-
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FILING DATE: 1998-06-17
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1998-06-17
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APPLICANT: Zhang, Zemin 1.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE OF INVENTION IN 1916 (2001) The Same FILE OF TRICK 1921 (1970) 1989,723

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR APPLICATION NUMBER: 60/04250

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311
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Patent No. US20020072092A1
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
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PRIOR APPLICATION NUMBER: 60/091519
PRIOR EILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
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OR FILING DATE: 1997-11-13
OR APPLICATION NUMBER: 607066770
OR FILING DATE: 1997-11-24
OR APPLICATION NUMBER: 607075945
OR FILING DATE: 1998-02-25
APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/083322
FILING DATE: 1998-04-28
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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Williams, P. Mickey
                                                                                                                                                                                                                                                                                                                                                                               Wood, William I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Grimaldi, J.Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fong, Sherman
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Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Napier, Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kljavin, Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Godowski, Paul
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art, Timothy A.
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PRIOR PRIOR

APPLICATION NUMBER: 60/087759
FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
FILING DATE: 1998-06-03
APPLICATION NUMBER: 60/088021

APPLICATION NUMBER: 60/088025 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088026

FILING DATE: 1998-06-04

PRIOR

PRIOR

PRIOR

FILING DATE: 1998-05-28
APPLICATION NUMBER: 60/087607
FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087609
FILING DATE: 1998-06-02

APPLICATION NUMBER: 60/084600 FILING DATE: 1998-05-07

APPLICATION NUMBER:

60/087106

PRIOR PRIOR

APPLICATION NUMBER: 60/088028 FILING DATE: 1998-06-04

FILING DATE: 1998-06-04

PRIOR

FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088033
APPLICATION NUMBER: 60/088326

FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088030 APPLICATION NUMBER: 60/088029

PRIOR PRIOR

DR FILING DATE: 1998-06-04

R APPLICATION NUMBER: 60/088167

DR FILING DATE: 1998-06-05

DR FILING DATE: 1998-06-05

DR FILING DATE: 1998-06-05

DR APPLICATION NUMBER: 60/088212

DR APPLICATION NUMBER: 60/088212

DR FILING DATE: 1998-06-05

PRIOR PRIOR

APPLICATION NUMBER: FILING DATE: 1998-0

1998-06-05

60/088655 60/088217

APPLICATION NUMBER: 60/0 FILING DATE: 1998-06-09

PRIOR PRIOR

APPLICATION NUMBER: 60/089105 FILING DATE: 1998-06-12

APPLICATION NUMBER:

1998-06-16

60/089512 60/089440

APPLICATION NUMBER:

DR APPLICATION NUMBER: 60/089538

DR FILING DATE: 1998-06-17

PR APPLICATION NUMBER: 60/089598

DR FILING DATE: 1998-06-17

DR APPLICATION NUMBER: 60/089599

DR FILING DATE: 1998-06-17

DR APPLICATION NUMBER: 60/089600

DR APPLICATION NUMBER: 60/089600

FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-17 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/089514 FILING DATE: 1998-06-16

60/089532

PRIOR PRIOR PRIOR

OR APPLICATION NUMBER: 60/088826
OR FILING DATE: 1998-06-10
OR APPLICATION NUMBER: 60/08858
OR FILING DATE: 1998-06-11
OR APPLICATION NUMBER: 60/088861
OR APPLICATION NUMBER: 60/088876
OR FILING DATE: 1998-06-11
OR APPLICATION NUMBER: 60/088876
OR FILING DATE: 1998-06-11

PRIOR

PRIOR PRIOR PRIOR

APPLICATION NUMBER: 60/088824 FILING DATE: 1998-06-10

PRIOR PRIOR

PRIOR

DR APPLICATION NUMBER: 60/088738
DR FILING DATE: 1998-06-10
DR APPLICATION NUMBER: 60/088742
DR FILING DATE: 1998-06-10
DR APPLICATION NUMBER: 60/088810
DR FILING DATE: 1998-06-10

PRIOR

APPLICATION NUMBER: 60/088734 FILING DATE: 1998-06-10

PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801 PRIOR APPLICATION NUMBER: PRIOR FILING DATE: 1998-0 PRIOR FILING DATE: 1998-06-18 PRIOR OR FILING DATE: 1998-06-22
OR APPLICATION NUMBER: 60/090349
OR FILING DATE: 1998-06-23
OR APPLICATION NUMBER: 60/090355
OR FILING DATE: 1998-06-23
OR APPLICATION NUMBER: 60/090429
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090431
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OR APPLICATION NUMBER: 60/090435
OR FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/089948 FILING DATE: 1998-06-19 APPLICATION NUMBER: 60/089952 FILING DATE: 1998-06-19 FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-19 FILING DATE: 1998-00 APPLICATION NUMBER: APPLICATION NUMBER: 60/089908 FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090535
FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090444 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090445 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090472 APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-26 FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090690
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APPLICATION NUMBER: 60/090694
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RESULT 40
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CURRENT APPLICATION NUMBER: US/09/989,279
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR TILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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OR FILING DATE: 1998-04-28
OR APPLICATION NUMBER: 60/084600
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OR FILING DATE: 1997-11-13
OR APPLICATION NUMBER: 60/066770
OR FILING DATE: 1997-11-24
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OR FILING DATE: 1998-07-07
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                  APPLICATION NUMBER: 60/087607 FILING DATE: 1998-06-02
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Goddard, Audrey
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Williams, P. Mickey
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Kljavin, Ivar J.
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art, Timothy A.
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PRIOR APPLICATION NUMBER: 60/088025
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                       OR FILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/089600
OR FILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/089653
OR FILING DATE: 1998-06-17
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OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088030
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OR APPLICATION NUMBER: 60/088033
OR FILING DATE: 1998-06-04
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APPLICATION NUMBER: FILING DATE:

1998-06-10 1998-06-10 1998-06-10

FILING DATE: 1998-00 APPLICATION NUMBER:

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1998-06-09

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60/088826 60/088824 60/088810 60/088742 60/088738 60/088734 60/088655 60/088217 60/088212 APPLICATION NUMBER: 60/088326 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088167

FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/088202

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1998-06-05

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FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088026 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088028

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1998-06-04

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1998-06-03 1998-06-02

60/088021 60/087827 60/087759

APPLICATION NUMBER: 60/ FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-17 APPLICATION NUMBER: FILING DATE: 1998-06

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1998-06-

APPLICATION NUMBER: 60/089440

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60/089105

FILING DATE: FILING DATE:

APPLICATION NUMBER: 60/088876

1998-06-11 1998-06-1 1998-06-11 1998-06-10

FILING DATE: 1998-0 APPLICATION NUMBER:

60/088861

APPLICATION NUMBER: 60/088858

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60/089599 60/089598 60/089538 60/089532 60/089514 60/089512

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APPLICATION NUMBER:
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FILING DATE: 1998-06-23
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APPLICATION NUMBER: 60/090252
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APPLICATION NUMBER: 60/091633
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                               APPLICATION NUMBER: 60/091982
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APPLICANT:
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PRIOR APPLICATION NUMBER: 60/062250
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
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APPLICATION NUMBER: 60/088021
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FILING DATE: 1998-02-25
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Godowski, Paul J.
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Williams, P. Mickey
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Stewart, Timothy A.
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APPLICATION NUMBER: 60/088738
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APPLICATION NUMBER: 60/088655
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PRIOR APPLICATION NUMBER: 60/090246
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OR FILING DATE: 1998-06-26
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RESULT 42
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APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C70
CURRENT APPLICATION NUMBER: US/09/989,731
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
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PRIOR FILING DATE: 1998-06-02
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APPLICATION NUMBER: 60/084600
FITTING DATE: 1998-05-07
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FILING DATE: 1998-06-03
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APPLICATION NUMBER: 60/078910
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Baker, Kevin P.
Botstein, David
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Williams, P. Mick
Wood, William I.
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Grimaldi, J. Christopher
Gurney, Austin L.
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Gerritsen, Mary E.
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art, Timothy A.
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P. Mickey
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PRIOR PRIOR OR APPLICATION NUMBER: 60/089907
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OR FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088810 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088824 APPLICATION NUMBER: 60/088734 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088738 FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/088655 FILING DATE: 1998-06-09 APPLICATION NUMBER: 60/088826 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088858 FILING DATE: 1998-06-11 APPLICATION NUMBER: 60/088217 APPLICATION NUMBER: 60/088212 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088030 APPLICATION NUMBER: 60/088876 FILING DATE: 1998-06-11 APPLICATION NUMBER: 60/089105 APPLICATION NUMBER: 60/088742 FILING DATE: 1998-06-10 FILING DATE: APPLICATION NUMBER: 60/088202 APPLICATION NUMBER: 60/088167 FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/090246 FILING DATE: 1998-06-22 APPLICATION NUMBER: 60/090252 FILING DATE: 1998-06-22 APPLICATION NUMBER: 60/090254 FILING DATE: 1998-06-18
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APPLICANT: TANNY, MALTER TOTAL CARRIED AND APPLICANT: CARNING Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730P1C57
CURRENT APPLICATION NUMBER: U97/09/989,732
CURRENT FILING DATE: 297-00-11-19
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PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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Baker, Kevin P.
Botstein, David
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Stewart, Timothy
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Patent No. US20020127576A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
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Gerber, Hanspeter Gerritsen, Mary E.

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CURRENT APPLICATION NUMBER: US/09/991,073
CURRENT FILING DATE: 2001-11-14
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PRIOR FILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-10-17
PRIOR PPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065186
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C15
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APPLICATION NUMBER: 60/087106
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APPLICATION NUMBER: 60/088025
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APPLICATION NUMBER: 60/
FILING DATE: 1998-06-02
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FILING DATE: 1998-06-04
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FILING DATE: 1998-02-25
APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
FILING DATE:
APPLICATION 1
                                    APPLICATION NUMBER:
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Roy, Margaret Ann
Stewart, Timothy A.
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                                                                        60/088202
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PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
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PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
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Best Local Similarity
Matches 24; Conserv
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APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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APPLICATION NUMBER: 60/090694
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                        Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
Godowski, Paul J
Grimaldi, J. Christopher
Gurney, Austin L.
Kljavin, Ivar J.
                                                                                            Fong,Sherman
                                                                                                         Ferrara, Napoleone
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                                                                                                                                                 Botstein, David
                                                                                                                       Eaton, Dan L.
                                                                                                                                                                                                                     Application US/09990442
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Paoni, Nicholas F.
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CURRENT APPLICATION NUMBER: US/09/990,442
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-05-28
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APPLICATION NUMBER: 60/088033
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APPLICATION NUMBER: 60/087759
FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
FILING DATE: 1998-06-03
APPLICATION NUMBER: 60/087607
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APPLICATION NUMBER: 60/087609
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FILING DATE: 1998-02-25
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APPLICATION NUMBER: 60/088326
FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088167
FILING DATE: 1998-06-05
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Stewart, Timothy A.
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P. Mickey
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Score 24;
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Query Match 1.3%; Score 24; DB 10; Length 1337; Best Local Similarity 100.0%; Pred. No. 0.72; Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps Qy 1874 GTGTAAAAAAAAAAAAAAAAAA 1897

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Search completed: November 8, 2002, 02:07:35 Job time: 121.442 secs

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Database :
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RESULT 1 PCT-US01-45395-214 Sequence 214, Application PC/TUS0145395 GENERAL INFORMATION: APPLICANT: Corixa Corporation APPLICANT: Algate, Paul A. APPLICANT: Algate, Paul A. APPLICANT: Filing, Steven P. APPLICANT: Holesh, David Alan TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CA FILE REFERENCE; 21012-11-13 UNMBER OF SEQ ID NOS: 215 CURRENT APPLICATION NUMBER: PCT/US01/45395 CURRENT FILING DATE: 2001-11-13 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 214 LENGTH: 1897 TYPE: DNA ORGANISM: Homo sapiens PCT-US01-45395-214 Ouery Match Ouery Match Ouery Match Ouery Match Ouery COMPOSITION ON SECORE 1897; DB Best Local Similarity 100.0%; Pred. No. 0; Matches 1897; Conservative O; Mismatches Oy Of CAGCCGGGAGCCCGAGCGCTCGGTGCTCGCGGAGCGCGAG Oy Of CAGCCGGGAGCCCGAGCGCTCTGGTGCTCGCGGAGCCCCAGG OY Of CAGCCGGGAGCCCGAGCGCGGGGCATCAGCGCGGAGCCCCAG OY OLAGCCGGGAGCCCGAGCGCGGGGCAGCAGCAGCGCGGAGC OY OLAGCCGGGAGCCCGAGCCTCCGCGGCAGCAGCGCCCCAG OY OLAGCCAGCCGGGAGCCCGAGCCTCCGCGGAGCCCCCAG OY OLAGCCAGCCGGGAGCCCGAGCCTCCGCGGCAGCAGCCCCCAG OY OLAGCCAGCCGGGGCAGCCTCCGCGGCAGCAGCCCCCAG OY OLAGCCAGCCGGGGCAGCCCTCCGCGGCAGCCCCCCAG OY OLAGCCAGCCGGGGCAGCCTCCGCGGCAGCCCCCCAG OY OLAGCCAGCCGGGGCAGCCTCCGCGGCAGCCCCCCAG OY OLAGCCAGCCGGGGCAGCCTCCGCGGCAGCCCCCCAG OY OLAGCCGGGAGCCCGTGGTCTCCCCGGGAGCCCCCAG OY OLAGCCGGGAGCCCGGGGCAGCCTCCGCTGTCGCCCCCCCCC	1586 1586 1586 1586 1586 1586 1586 1586
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APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CFILE REFERENCE: 20121.48405

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 214

LENGTH: 1897
                                                                                                                                        ; NAME/KEY: misc_feature
; LOCATION: (1)...(1897)
; OTHER INFORMATION: n =
US-09-825-294-214
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US-09-825-294-214
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                                                                                      Matches 1897;
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Best Local
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ORGANISM: Homo sapiens
FEATURE:
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              GAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGAGTTGGGCTCTAGTGACT
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CURRENT FILING DATE: 2001-10-02
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 214
LENGTH: 1897
                                                                                                                                                       Sequence 214, Application US/09970966
GENERAL INFORMATION:
APPLICANT: Stolk, John A
APPLICANT: Molesh, David Alan
Query Match
                                                                                                        TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 210121.484C6
                                                                                                                                     APPLICANT: Molesh, David APPLICANT: Fling, Steven APPLICANT: Xu, Jiangchun
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Best Local Similarity 100 Matches 1897; Conservative
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US-10-212-677-214

Sequence 214, Application US/10212677

GENERAL INFORMATION:

APPLICANT: Chenault, Ruth A.

APPLICANT: Xu, Jiangchun

APPLICANT: Fanger, Gary R.

APPLICANT: Harlocker, Susan L.

APPLICANT: McNeill, Patticia D.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

FILE REFERENCE: 201021.484C7

CURRENT APPLICATION NUMBER: US/10/212,677

CURRENT FILING DATE: 2002-08-02
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 214
LENGTH: 1897
TYPE: DNA
ORGANISM: HOMO sapiens
US-10-212-677-214
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AGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGC
                                                              CTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAG
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RESULT 5
PCT-US02-29964-16
; Sequence 16, Application PC/TUS0229964
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
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; LOCATION: (338)..(763)
PCT-US02-29964-16
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NUMBER OF SEQ ID NOS: 992
SOFTWARE: pt_FL_genes Version 6.0
SEQ ID NO 16
LENGTH: 1967
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PRIOR APPLICATION NUMBER: US 09/515,126
PRIOR FILING DATE: 2000-02-28
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FILING DATE: 2000-04-27
APPLICATION NUMBER: PCT/US01/03800
FILING DATE: 2001-02-05
                                                                         CTCCGCTGCTGTCGCCTCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG
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AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTTGC
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Similarity 99.8%;
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Zhao, Qing A.
Wang, Jian-Rui
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Asundi, Vinod
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Haley-Vicente, Dana
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Wang, Dunrui
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PRIOR APPLICATION.

PRIOR APPLICATION NUMBER: 60/106,44.

PRIOR APPLICATION NUMBER: 60/107,257

PRIOR APPLICATION NUMBER: 60/126,906

PRIOR APPLICATION NUMBER: 60/126,906

PRIOR APPLICATION NUMBER: 60/132,099

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PRIOR APPLICATION NUMBER: 60/132,099

TO FILING DATE: 1999-04-30

PRIOR APPLICATION NUMBER: 60/132,099

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                                                                                                                                   NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
SEQ ID NO 4454
LENGTH: 1918
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/397,022
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,465
                                                                                                                                                                                                                                                                                                                                                                                                                        IITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM FILE OF INVENTION: HUMAN FETAL SKIN LIBRARY FILE REFERENCE: MLN98-460M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Gearing, I APPLICANT: Holtzman,
                                                                                                                    TYPE: DNA
                                                                                              ORGANISM: Homo sapiens
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                                                                                                                                    CACGAGCAGGAGGAGAGAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAA 1698
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APPLICANT: HOLTZMAN, DOUGLES A.

TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY
FILE REFERENCE: 1600.1046-002
CURRENT APPLICATION NUMBER: US/09/808,383
CURRENT FILING DATE: 1990-09-15
PRIOR APPLICATION NUMBER: US 60/100,465
PRIOR FILING DATE: 1998-09-15
PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: US 60/106,443
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: US 60/106,443
PRIOR FILING DATE: 1998-11-15
PRIOR FILING DATE: 1998-11-15 RESULT 7 US-09-808-383-4454 Sequence 4454, Application US/09808383
GENERAL INFORMATION:
APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.

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; LENGTH: 1918
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-808-383-4454
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Best Local 9
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PRIOR FILING DATE: 1999-03-30
PRIOR APPLICATION NUMBER: US 60/132,099
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5775
SOFTWARE: FASTSEQ for Windows Version 4.0
859 ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 918
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                   ACCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTGCTTTTATTCTGGGTAGGGAGCGG 798
                                                                                                  CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA 738
                                                                                                                                           CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTTCTCGGCACA 678
                                                                                                                                                                                  CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC 618
                                                                                                                                                                                                                                                                  CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG
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US-09-652-121-7293/c
; Sequence 7293, Appli
; GENERAL INFORMATION:
; APPLICANT: DiStefa
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CURRENT APPLICATION NUMBER: US/09/652,12
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
PRIOR FILING DATE: 199-08-30
NUMBER OF SEQ ID NOS: 7615
SOFTWARE: FASTSEQ for Windows Version 4
SEQ ID NO 7293
LENGTH: 1925
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; ORGANISM: Homo sapiens
US-09-652-121-7293
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GENERAL INFORMATION:
APPLICANT: DIStefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES
TITLE OF INVENTION: THEREFOR
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Best Local Similarity
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ACCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 798
                                                                                                         CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA 678
                                                                                                                                                                                       CTGCAACACCCCTTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC
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                                               CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA 1169
                                                             CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTCGCCCCCA 738
                                                                                                                                                                         CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCCAAGAAAAGGGGGAAGTTCTGCCTCGGC
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Pred. No. 0;
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                                                                                                    TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA 1758
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FILE CELEVISION INFLECTION FILE COURTENT APPLICATION NUMBER: US/09/652,128 CURRENT FILING DATE: 2000-08-30 PRIOR APPLICATION NUMBER: 60/151,133 PRIOR FILING DATE: 1999-08-30 NUMBER OF SEQ ID MOS: 10265 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 9375 LENGTH: 1925 TYPE: DNA GRANISH: Homo sapiens US-09-652-128-9375
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; Sequence 9375, Application US/09652128
; GENERAL INFORMATION:
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; APPLICANT: Holtzman, Douglas A.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; TITLE DESCRIPTION: THEREFOR
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; Sequence 3346, Application US/09652917
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
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PRIOR FILING DATE: 1999-08-30;
NUMBER OF SEQ ID NOS: 3855;
SOFTWARE: FASTSEQ for Windows V. SEQ ID NO 3346;
LENGTH: 1925
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/652,917
CURRENT FILING DATE: 2000-08-30
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1699	268	1639	1579 328	1519 388	1459 448	508	- 56 - 3 - 3 - 3	1279 628	1219 688	1159 748	1099	1039 868	979 928	919 988	859 1048	799 1108	739 1168	679 1228	1288
TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA 1	AGGAGGGAGACAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATA	ACGAGCAGGAGGGAGAGACAGAGAAAAGAAAAAAACACAGCATGAGAACACAGT	TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1	TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 1	GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAAGGGAAGGATCA 1 	ACGAACACCCGCGAAACTGCTGCGAGGACACCGTGTACA 	TGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 1	TTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT 1	ACTTAGACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC 1	CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG 1	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG 1	GGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC 1	TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG 1	TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAG 9	ATAAAITCAGCYTGACTGAAITTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 9	GAGTCCGTGTTCTCTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA 8	ACCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 7	CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTGGCCCCCA 7	
1758	209	1698	1638 1638	578 329	688	4 4	39	338	.278 529	218	158	.098	.038	178	18	049	98	169	229

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TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USE
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2020-00.1
CURRENT APPLICATION NUMBER: US/09/699,997
CURRENT ETLING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: 00.0162,359
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 12714
SOFTWARE: FRASTSEQ for Windows Version 4.0
SEQ ID NO 11085
LENGTH: 1925
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US-09-699-997-11085
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US-09-699-997-11085/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Curtis, Rory A.J.
APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: Distofano, Peter
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CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 558
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                                                         GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC
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                                                                                                                                                                        GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC
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                           TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1638
                                                                                     TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC
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APPLICANT: Shyjan, Andrew W.
APPLICANT: Stodal, Hilde
APPLICANT: Stodal, Hilde
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2036-001
CURRENT FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: 05/164,254
PRIOR APPLICATION NUMBER: 60/164,254
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 5803
SOFTWARE: FRASTEQ for Windows Version 4.0
SEQ ID NO 4458
LENGTH: 1925
TYPE: DNA
ORGANISM: Homo sapiens
US-09-710-281-4458
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US-09-710-281-4458/c
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CTCCGCTGCTGTCGCCTCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG 258
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578 29	518 89	458 49	398 09	338 69	278 29	218 89	158 49	60	038 69	78 29	18 89	58 049	601	69	29	8 8	149

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APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2017-001
CURRENT APPLICATION NUMBER: US/09/726,805
CURRENT FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 60/168,140
PRIOR FILING DATE: 1999-11-30
NUMBER OF SEQ ID NOS: 2158
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1608
LENGTH: 1925
TYPE: DNA
ORGANISM: Homo Sapiens
US-09-726-805-1608
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APPLICANT: Glucksmann, M. Alexandra
TITLE OF INVENTION: NUCLECT ACID MOLECULES DE!
TITLE OF INVENTION: NUCLECT ACID MOLECULES
TITLE OF INVENTION: HUMAN BRAIN LIBRARY
FILE REFERENCE: MLN98-37PA
CURRENT APPLICATION NUMBER: US/09/371.168
CURRENT FILING DATE: 1999-08-10
EARLIER APPLICATION NUMBER: 60/095,907
EARLIER FILING DATE: 1998-08-10
EARLIER APPLICATION NUMBER: 60/103,145
EARLIER FILING DATE: 1998-10-05
NUMBER: FBSTSEQ FOR WINDOWS Version 3.0
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Sequence 9077, Application US/09644873
GENERAL INFORMATION:
APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFORE,
FILE REFERENCE: 1600.1169-001
CURRENT APPLICATION NUMBER: US/09/644,873
CURRENT FILING DATE: 2000-08-28
PRIOR APPLICATION NUMBER: 60/151,064
PRIOR FILING DATE: 1999-08-27
NUMBER OF SEQ ID NOS: 11286
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 1917
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1097 1052 992 977 872

812 797 752 737 692 677

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GENERAL

APPLICANT: MCCBLLLL.

TITLE OF INVENTION: THEREFOR

TITLE OF INVENTION: THEREFOR

FILE REFERENCE: 1600.1180.001

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/151,128

PRIOR APPLICATION NUMBER: 60/151,128

PRIOR FILING DATE: 1999-08-30

NUMBER OF SEQ ID NOS: 10105

SOFTWARE: FASUSEQ for Windows Version 4.0

SEQ ID NO 9370

SEQ ID NO 9370

LENGTH: 1917
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US-09-652-109-9370
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                                                                                       Query Match
Best Local :
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 GGTGCTCGGCCCGGGAGCGCGAGCGGGAGGAGCAGAGACCCGCAGCCGGGAGCCCGAGCG 92
                                                 GGTGCTCGGCCCGGGAGCGCGAGCGGAGCGGAGCAGACCCGCAGCCGGGAGCCCGAGCG 78
                    CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 138
                                                                                Conservative
                                                                                                                                                                                                                                                     NOVEL NUCLEIC ACID MOLECULES AND USES
                                                                                         83.7%;
                                                                                0
                                                                                          Score 1587; DB 25; 
Pred. No. 1.2e-298;
                                                                                Mismatches
                                                                                                   Length 1917;
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                                                                                                                                                                GTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGG
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GCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGG
              GCAGAATTGGCTGGCTTTCGCGCCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTG 1217
                                                 CCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCA
                                                             CCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCA 1157
                                                                                                   GGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTC
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APPLICANT: DIStefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1188-001
CURRENT APPLICATION NUMBER: US/09/652,121
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
PRIOR APPLICATION NUMBER: 60/151,129
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 7615
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6191
LENGTH: 1917
TYPE: DNA
                                                                                                                                                                                                                                                        US-09-652-121-6191
; Sequence 6191, Application US/09652121
; GENERAL INFORMATION:
                                                                         ; ORGANISM: Homo sapiens
US-09-652-121-6191
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                        Conservative
                                    83.7%;
99.8%;
                       0;
                    Score 1587; DB 25;
Pred. No. 1.2e-298;
O: Mismatches 3;
                                             Length 1917;
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PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 10265
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7518
LENGTH: 1917
                                                                                                                                                               Sequence 7518, Application US/09652128
GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
APPLICANT: Holtzman, Douglas A.
                                                                       TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES TITLE OF INVENTION: THEREFOR FILE REFERENCE: 1600.1171.001
CURRENT APPLICATION NUMBER: US/09/652,128
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,133
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US-09-652-355-9112

Sequence 9112, Application US/09652355

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: SNylan, Andrew W.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600,1192-001
CURRENT APPLICATION NUMBER: US/09/652,355
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RESULT 20 US-09-652-914-8473

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Sequence 8473, Application US/09652914

GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1193-001
CURRENT APPLICATION UNMBER: US/09/652,914
CURRENT FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/152,112
PRIOR APPLICATION NUMBER: 60/152,112
PRIOR FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 9677
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8473
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Best Local Similarity 99.8%;
Matches 1857; Conservative
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APPLICANT: Shyjan, Andrew W.
APPLICANT: Holtzman, Douglas A.
APPLICANT: Holtzman, Douglas A.
APPLICANT: Distefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLE/
TITLE OF INVENTION: THEREFOR
TILE REFERENCE: 1600.1170-001
CURRENT APPLICATION NUMBER: US/09/652,917
CURRENT FLILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,422
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 3855
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; Sequence 2477, Application US/09652917
; GENERAL INFORMATION:
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SEQ ID NO 2477
LENGTH: 1917
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                                                                GCTGCAACACCCCTCTTTGTAACGGGCCCAAGGCCCCAAGAAAAGGGGGAAGTTCTGCCTCGG
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PRIOR FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 8285
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 7188
LENGTH: 1917
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Best Local Similarity 99.8%;
Matches 1857; Conservative
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CURRENT APPLICATION NUMBER: US/09/801,833
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: 09/371,168
PRIOR EILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR FILING DATE: 1998-08-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Homo sapiens
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Pred. No. 1.2e-298;
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                                            TCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAC 1412
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TITLE OF INVENTION: 49 Human Secreted Proteins
FILE REFERENCE: PS549PCT
CURRENT APPLICATION NUMBER: PCT/US00/09066
CURRENT FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/128,694
PRIOR FILING DATE: 1999-04-09
PRIOR FILING DATE: 1999-04-09
PRIOR FILING DATE: 2000-01-20
NUMBER OF SEQ ID NOS: 1.56
SOFTWARE: PatentIn Ver. 2.0
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LOCATION: (1362)
OTHER INFORMATION: n equals a,t,g, or
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TYPE: DNA
ORGANISM: Homo sapiens
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AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC
                               AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC
                                                                                                                 CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG
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Pred. No. 1.9e-298;
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1338	279 TTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGCGCGCTTT	Qy .
1278 677	219 ACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCC	Qy 1 Db
1218 737	159 CAGAATTGGCTGGTTTCGCGCCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG	Qy 1 Db
1158 797	099 CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG 	Db dg
1098 857	039 GGCATAGTITGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	Oy 1
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978 977	919 TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAG :	Qу ББ 1
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858 1097	799 GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA (Oy Db 1
798 1157	739 ACCCCCCACCTCCCTGAGTGAGTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG :	0у рь 1
738 1217	79 CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTGGCCCCCA	Оу рь 1
678 1277	619 CCTCAGGCCAGGCCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA (Qу рь 1
618 1336	559 CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC (Qy Db 1
558 1396	499 CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG :	Qy Db 1
498 1456	439 GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGC 4	Qy Db 1
438 1516	379 CGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA	Оу рь 1
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                                        GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGACGATCA
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RESULT 24
US-09-950-083-1914/c
US-09-950-083-1914, Application US/09950083
; GENERAL INFORMATION: PRIOR CURRENT APPLICATION NUMBER: US/09/950,083
CURRENT FILING DATE: 2001-09-12 FILE REFERENCE: PS805 ICR APPLICATION NUMBER: 09/278,650
ICR APPLICATION NUMBER: 09/83,245
ICR FILING DATE: 2001-04-12
ICR FILING DATE: 2001-04-12
ICR FILING DATE: 2001-04-12
ICR FILING DATE: 2001-04-12
ICR APPLICATION NUMBER: PCT/US00/06043
ICR FILING DATE: 2000-03-09
ICR APPLICATION NUMBER: PCT/US00/06012
ICR APPLICATION NUMBER: PCT/US00/06058
ICR FILING DATE: 2000-03-09
ICR APPLICATION NUMBER: PCT/US00/06044
ICR FILING DATE: 2000-03-09
ICR APPLICATION NUMBER: PCT/US00/06044
ICR FILING DATE: 2000-03-09
ICR APPLICATION NUMBER: PCT/US00/06042
ICR APPLICATION NUMBER: PCT/US00/06042
ICR APPLICATION NUMBER: PCT/US00/06014
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ICR APPLICATION NUMBER: PCT/US00/06014
ICR FILING DATE: 2000-03-09
ICR APPLICATION NUMBER: PCT/US00/06013
ICR FILING DATE: 2000-03-09
ICR APPLICATION NUMBER: PCT/US00/06049
ICR APPLICATION NUMBER: PCT/US00/06057
ICR APPLICATION NUMBER: PCT/US00/06057 FILING DATE: 2000-03-16
APPLICATION NUMBER: PCT/US00/06765
FILING DATE: 2000-03-16
APPLICATION NUMBER: PCT/US00/06792 OF INVENTION: et. Human Secreted Proteins

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616 CGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 557

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(GERAL INFORMATION:

(APPLICANT: ROSen, et. al

(TITLE OF INVENTION: Human Secreted Proteins

(FILE REFERENCE: PS950)

(CURRENT APPLICATION NUMBER: US/10/105,299)

(CURRENT FILING DATE: 2002-03-26

(NUMBER OF SEQ ID NOS: 15197)

(Prior Application removed - See File Wrapper or Palm

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ORGANISM: Homo sapiens
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CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA 738
                                                                                CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA
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Pred. No. 1.9e-298;
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                                                                                                    CACGAGCAGGAGGAGAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATRAA
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LOCATION: (1362)
OTHER INFORMATION: n equals a,t,g, or c
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CURRENT FILING DATE: 2000-06-01
EARLIER APPLICATION NUMBER: 60/138,630
EARLIER FILING DATE: 1999-06-11
NUMBER OF SEO ID NOS: 160
SOFTWARE: Patentin Ver. 2.0
SEO ID NO 23
LENGTH: 1956
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Best Local
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                                                                                          GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC
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TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA	CACGAGCAGGAGAGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAATRAA	CACGAGCAGGAGGAGAGAGAGAAAAAGAAAAAAAAAAAA	GGCAGA	TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCAACAATCAGCCCTGGGCAGA	TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC	CCGAGAAGGGAGGAGGATC	GAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA	GCCGCAGCACCACCACCACCACCACCCCCCGAAACTGCTGCGAGGACACCGTGTACA 4	GCGGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTAC	CGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 1	GCAGAGGACTGGCGCCGGGACGCGAAGGGGCGCTGCACAAAGCGGGCGCTGT	TTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGCGGCGCTGCACAAAGCGGGCGCCTGT	GGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC	TTAGACTGGG		AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGG	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTCTGCAG [GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	GGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	TCACTGAGGTGGGCATCTGCCTTTTGTAAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG	CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCT	TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	TCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAG	ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 1	YTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGT	CIG	TCCGTGTTCTTCTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTC	ACCCCCACCTCAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG	CCCCCACCTCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGC	CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTGCCCCCCA CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTCGCCCCCCA 1	
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RESULT 27
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PRIOR FILING DATE: 2001-03-27
PRIOR PELICATION NUMBER: 09/833,245
PRIOR FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: PCT/US01/11988
PRIOR FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: PCT/US00/06043
PRIOR APPLICATION NUMBER: PCT/US00/06012
PRIOR FILING DATE: 2000-03-09
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GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-09-12
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APPLICATION NUMBER: PCT/US00/06823
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APPLICATION NUMBER: PCT/US00/06781
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FILING DATE: 1999-11-23
APPLICATION NUMBER: US 60/124,093
FILING DATE: 1999-03-12
APPLICATION NUMBER: US 60/166,989
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FILING DATE: 2000-09-26
APPLICATION NUMBER: PCT/US01/13318
FILING DATE: 2001-04-27
APPLICATION NUMBER: US 60/124,146
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FILING DATE: 2000-09-26
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APPLICATION NUMBER: US 60/168,622
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ADDITION NUMBER: US 60/168,662
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APPLICATION NUMBER: US 60/124,095
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APPLICATION NUMBER: US 60/124,099
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FILING DATE: 1999-03-12
APPLICATION NUMBER: US 60/138,597
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US-10-105-299-2415/c
; Sequence 2415, Application US/10105299
; GENERAL INFORMATION:
; APPLICANT: ROSEN, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS950
; CURRENT APPLICATION NUMBER: US/10/105,299
; CURRENT FILING DATE: 2002-03-26
; NUMBER OF SEQ ID NOS: 15197
; PRIOT APPLICATION removed - See File Wrapper of SOPTWARE: DATE: 1002-03-26
NAME/KEY: misc_feature
: LOCATION: (1362)..(1362)
: OTHER INFORMATION: n equ
US-10-105-299-2415
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                                                                                                            SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2415
LENGTH: 1956
                                                             TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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Best Local Similarity
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                       CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCA
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RESULT 29
US-10-108-260A-197
US-10-108-260A-197
Sequence 197, Application US/10108260A
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NOVEL full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 197
LENGTH: 1832
TYPE: DNA
ORGANISM: Homo sapiens
US-10-108-260A-197
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Best Local Similarity
Matches 1676: Conserv
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CTCC 1278	1219 ACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTC	Qy 1
reee 1173	114 CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACT	Db 1
	159 CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACT	Qy 1
GCAG 1113	054 CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAAAC	Db 1
GCAG 1158	099 CACTCAAGGCTCCCTCGCTTGACATTC	Qy 1
TTCC 1098	[039 GECATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	Qу 1 рь
99	34 TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATV	Db
61 	979 TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGC	Qy
GAAG 933	874 TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	Db
3AAG 978	19 TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTV	Qy
AAGT 918 AAGT 873	859 ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT	Qу Db
rGA 81	54 GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGG	Db
GA 8	99 GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTC	Qy
1111 3CGG 753	ACCCCCACTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAC	Db
ccc 79	39 ACCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAC	ρy S
CCA 69	34 CTGCTGAAGCTGGAGAAGGCCACCCCCCCCTGCTGCATTCTTCCTACCCTCGCCC	} .S
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CACA 678	619 CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGC	Qу
CGGC 573	14 CTGCAACACCCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTC	рb
66	59 CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTC	Qy
GCTG 513		
G.	99 CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAG	Qy
1111 1CGC 453	94 GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCAT	-
္မင္မ	39 GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCAT	Qy
IGGA 393	34 CGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA	
୍ଷ	79 CGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA	Qy
333 3000 333	GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTC	Db
- 8	19 GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTC	Qy
G -	214 AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTT	
- 14	59 AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTT	Οу
3GAG 258 GAG 213	199 CTCCGCTGCTGTCGCCTCCTGATGCGCTTGCCCTCTCCCGGCCCCCGGGACTCCGG	Qy db
Gaps	y Match 80.4%; Score 1526; DB 40; Length 1832; Local Similarity 99.8%; Pred. No. 8e-287; hes 1676; Conservative 0; Mismatches 3; Indels 0;	Quer Best Matc

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GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
TITLE OF INVENTION: HUNCLEIC ACID MOLECULES DEI
TITLE OF INVENTION: HUNGAN OVARY LIBRARY
FILE REFERENCE: 1600.1090-001
CURRENT APPLICATION NUMBER: US/09/526,994
CURRENT FILLNG DATE: 2000-03-15
EARLIER APPLICATION NUMBER: 60/125,564
EARLIER APPLICATION NUMBER: 60/135,678
EARLIER APPLICATION NUMBER: 60/135,678
EARLIER APPLICATION NUMBER: 60/135,678
EARLIER FILING DATE: 1999-05-24
NUMBER OF SEG ID NOS: 1304
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1070
LENGTH: 2535
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US-09-526-994-1070/c
; Sequence 1070, Application US/09526994
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                                                          Matches 1609;
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ORGANISM: Homo
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                           19 GGTGCTCGGCCCGGGAGCGCGAGCGGAGGAGCAGAGACCCGCAGCCGGGAGCCCGAGCG 78
                                                                       Local Similarity
GGTGCTCGGCCCGGGAGCGCAGCGGGAGCAGAGACCCGCAGCCGGGAGCCCGAGCG
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                                                        Score 1509; DB 19;
Pred. No. 1.4e-283;
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                       CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG
                                                             ACCCCCCACCTCAGTGAGTGTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG
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          CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG
                                                                                                                    TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG
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220 318 2264

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; SEQ ID NO 15
; LENGTH: 1524
; TYPE: DNA
; ORGANISM: HOMO S
US-10-119-480-15
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US-10-119-480-15
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APPLICANT: Desnoyers, Luc Ge
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J
APPLICANT: Grimaldi, J. Chri
APPLICANT: Grimely, Austin L.
APPLICANT: Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 15, Application US/10119480 GENERAL INFORMATION:
                                                                                                                                                                         Query Match 75.0%;
Best Local Similarity 99.9%;
                                                                                                                                                            Matches 1522;
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: WOOD, WILLIAM I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C1
                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/119,480
CURRENT FILING DATE: 2002-04-09
NUMBER OF SEQ ID NOS: 246
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                               TCCGCTGCTGTCGCCTCCTCATGCCCTTGCCCTCTCCCGGCCCCGGGACTCCGGGAGA 259
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
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Pred. No. 1.2e-266;
D; Mismatches 2;
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                               TGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTC
                                                                         GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCC 1099
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APPLICANT: Suringly, o. CHILISOPHER
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILLE REFERENCE: P3530PlC6
CURRENT APPLICATION NUMBER: US/10/216,159A
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/05287
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR PRILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR FILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079265
PRIOR APPLICATION NUMBER: 60/079265
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/0797656
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Gerritsen, Marry
APPLICANT: Goddard, Advarey
APPLICANT: Goddard, Advarey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
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NUMBER OF SEQ ID N
SEQ ID NO 15
LENGTH: 1524
   Query Match
Best Local
                                                                                                                                              PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27
                                           LENGTH: 1524
TYPE: DNA
ORGANISM: Homo Sapien
10-216-159A-15
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
                                                                                                                                Application data removed
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No. 1.
 DB 42;
L.2e-266;
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AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGA
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Sequence 15, Application US/10216160
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
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APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddward, Paul J
APPLICANT: Godowski, Paul J
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smethan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Milliam I.
                                                                                                                                                      TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530P1C8
CURRENT FAPILICATION NUMBER: US/10/216,160
CURRENT FILING DATE: 2002-08-09
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
                                                                             Query Match
Best Local Similarity
Matches 1522; Conserv
                                                                                                                                               Q ID NO 15
LENGTH: 1524
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Pred. No. 1.2e-266;
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                                                           CTTAGACTGGGGCTCGGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCT
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                                                 CTTAGACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAATCTTCTCAGTTCTCCT
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APPLICANT: WGCGINDER

APPLICANT: WGCGINITION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3530P1C2

CURRENT FILING DATE: 2002-08-09

PRIOR APPLICATION NUMBER: 10/119,480

PRIOR APPLICATION NUMBER: 10/119,480

PRIOR APPLICATION NUMBER: 60/069113

PRIOR FILING DATE: 1997-00-17

PRIOR APPLICATION NUMBER: 60/06287

PRIOR APPLICATION NUMBER: 60/06349

PRIOR APPLICATION NUMBER: 60/06349

PRIOR FILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/064103

PRIOR APPLICATION NUMBER: 60/06873

PRIOR APPLICATION NUMBER: 60/078910

PRIOR APPLICATION NUMBER: 60/078910

PRIOR APPLICATION NUMBER: 60/079910

PRIOR APPLICATION NUMBER: 60/079910

PRIOR APPLICATION NUMBER: 60/079924

PRIOR APPLICATION NUMBER: 60/079056

PRIOR APPLICATION NUMBER: 60/079056

PRIOR APPLICATION NUMBER: 60/079078

PRIOR APPLICATION NUMBER: 60/079078
                            ; TYPE: DNA
; ORGANISM: HOMO
US-10-216-162-15
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NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
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APPLICATION NUMBER: 60/0
FILING DATE: 1998-03-27
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Watanabe, Colin L.
Wood, William I.
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Smith, Victoria
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCL
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: PS530PLC3
CURRENT APPLICATION NUMBER: US/10/216/163
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/19/480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PRICING DATE: 1997-10-31
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Gerritsen, Mary
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PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
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Best Local Similarity
Matches 1522; Conserv
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US-10-216-164-15; Sequence 15, Application US/10216164; GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/10/216,164
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
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APPLICANT: Gerritsen, Mary
APPLICANT: Godard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mar
APPLICANT: Goddard, Audre
APPLICANT: Godowski, Paul
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PRIOR FILING DATE: 1997-10-28
PRIOR PPLICATION NUMBER: 60/064103
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR ETLING DATE: 1997-12-17
PRIOR PPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR FILING DATE: 1998-03-20
PRIOR PPLICATION NUMBER: 60/079294
PRIOR PRIOR PILING DATE: 1998-03-25
PRIOR PRIOR DATE: 1998-03-25
PRIOR PRIOR DATE: 1998-03-26
PRIOR PPLICATION NUMBER: 60/079728
PRIOR PILING DATE: 1998-03-27
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SEQ ID NO 15
LENGTH: 1524
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TYPE: DNA
ORGANISM: Homo Sapien
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                                                APPLICANT: Baker, Kevin P
APPLICANT: Desnoyers, Lu
APPLICANT: Gerritsen, Ma
APPLICANT: Goddard, Audr
APPLICANT: Godowski, Pau
APPLICANT: Grimaldi, J.
                                                                                                                             Sequence 15, Application US/10216165 GENERAL INFORMATION:
APPLICANT:
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                                                                                      Desnoyers, Luc
Gerritsen, Mary
                        Gurney, Austin L. Smith, Victoria
                                                Godowski, Paul J.
Grimaldi, J. Christopher
                                                                         Goddard, Audrey
Stephan, Jean-Philippe F. Watanabe, Colin L.
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND FILE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530PLC7
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/078910
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
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R OF SEQ ID NOS: 246
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                                                     CCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGAC
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RESULT 38 US-10-216-166-15

Sequence 15, Application GENERAL INFORMATION:

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CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR PELICATION NUMBER: 60/063649
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1997-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079656
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NUMBER OF SEQ II
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APPLICANT: Desnoyers, 1
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Goddwski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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                            GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCT
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C4
CURRENT APPLICATION UMBER: US/10/216,167
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/05287
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
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; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-216-167-15
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SEQ ID NO 15
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OR APPLICATION NUMBER: 60/078910
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/079294
OR FILING DATE: 1998-03-25
OR APPLICATION NUMBER: 60/079656
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FILING DATE: 1997-10-31
APPLICATION NUMBER: 60/069873
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                                                                                                                                  TCCGCTGCTGTCGCCCTCTGATGCGCTTGCCCTCTCCCGGCCCCCGGGACTCCGGGAGA
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              CTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCC
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Similarity
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C10
CURRENT APPLICATION NUMBER: US/10/216,168
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 1002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
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APPLICANT: Besnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Godowski, Paul J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smeth, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
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NUMBER OF SEQ ID N
SEQ ID NO 15
LENGTH: 1524
                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILLING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILLING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILLING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILLING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
                                                                                                   Query Match
Best Local Similarity
                                                                                      Matches
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                                                                                                                                                                                      TYPE: DNA
ORGANISM: Homo Sapien
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRA
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: 933051C21
CURRENT APPLICATION NUMBER: US/10/218,612
CURRENT FILING DATE: 2002-08-12
PRIOR PPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
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US-10-218-612-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15, Application GENERAL INFORMATION:
Remaining Prior Application
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
                                                                                    PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-27
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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; ORGANISM: Homo Sapien
US-10-218-612-15
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Best Local Similarity
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                                                                                                                   CACCCCATGTCTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAGT
                                                                                                                                                              TAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTT 919
                                                                                                                                                                                                                                                                                TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAA 739
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ACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGC
                                                              CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGG
                                                                                                        AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCCTCGGTAAAGCATTCTGAA
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RESULT 42
US-10-218-631-15
; Sequence 15, Application Us; GENERAL INFORMATION:
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P
; APPLICANT: Cerritsen, Max; APPLICANT: Goddard, Audra; APPLICANT: Godowski, Pau; APPLICANT: Gorimaldi, J. APPLICANT: Gurney, Austi; APPLICANT: Stephan, Jean; APPLICANT: Stephan; Jean; APPLICANT: Step
APPLICANT: WOOD, WILLIAM I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POI
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C14

CURRENT APPLICATION NUMBER: US/10/218,631

CURRENT FILING DATE: 2002-08-12

PRIOR APPLICATION NUMBER: 10/119,480

PRIOR FILING DATE: 2002-04-09

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/05287

PRIOR APPLICATION NUMBER: 60/06287

PRIOR APPLICATION NUMBER: 60/06349

PRIOR APPLICATION NUMBER: 60/064103

PRIOR APPLICATION NUMBER: 60/069873

PRIOR FILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/069873

PRIOR FILING DATE: 1997-12-17

PRIOR APPLICATION NUMBER: 60/078910
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Grimaldi, J. Christopher
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PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079256
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
ORGANISM: Homo Sapien
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                                                                                    AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAA
                                                                                                                  CCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG
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                                AGTCCGTGTTCTCTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAA
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APPLICANT: Baker, Kevin p
APPLICANT: Desnoyers, Lu
APPLICANT: Gerritsen, Ma
APPLICANT: Goddard, Audre
APPLICANT: Goddwski, pau,
APPLICANT: Godowski, pau,
APPLICANT: Grimaldi, J. (
APPLICANT: Gurney, Austi)
APPLICANT: Smith, Victor;
APPLICANT: Smith, Victor;
APPLICANT: Stephan, Jean
APPLICANT: Wood, William
APPLICANT: Wood, William
                                                                                                                              Sequence 15, Application US/10218765 GENERAL INFORMATION:
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Gerritsen, Mary
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APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRA
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC19
CURRENT APPLICATION NUMBER: US/10/218,765
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09

TRANSMEMBRANE SAME

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OR APPLICATION NUMBER: 60/063549
OR FILING DATE: 1997-10-28
OR FILING DATE: 1997-10-31
OR APPLICATION NUMBER: 60/069873
OR APPLICATION NUMBER: 60/069873
OR FILING DATE: 1997-12-17
OR APPLICATION NUMBER: 60/078910
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/079294
OR APPLICATION NUMBER: 60/079294
OR FILING DATE: 1998-03-25
OR FILING DATE: 1998-03-25
OR FILING DATE: 1998-03-25

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APPLICATION NUMBER: 60/059113 FILING DATE: 1997-09-17 APPLICATION NUMBER: 60/062287 FILING DATE: 1997-10-17

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DR FILING DATE: 1998-03-26
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DR APPLICATION NUMBER: 60/081955
DR FILING DATE: 1998-04-15
DR APPLICATION NUMBER: 60/082804
DR APPLICATION NUMBER: 60/082804
DR FILING DATE: 1998-04-22
DR APPLICATION NUMBER: 60/084441
DR FILING DATE: 1998-05-06
DR APPLICATION NUMBER: 60/085323
DR FILING DATE: 1998-05-13
DR APPLICATION NUMBER: 60/08579
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DR FILING DATE: 1998-05-15
DR APPLICATION NUMBER: 60/086392

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OR FILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/08995
OR FILING DATE: 1998-06-18
OR APPLICATION NUMBER: 60/090472
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OR APPLICATION NUMBER: 60/090691
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OR APPLICATION NUMBER: 60/164418
OR FILING DATE: 1999-11-09
OR APPLICATION NUMBER: 60/166361
OR FILING DATE: 1999-11-16
OR APPLICATION NUMBER: 60/169445
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OR APPLICATION NUMBER: 60/14758
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OR APPLICATION NUMBER: 60/145698
OR FILING DATE: 1999-07-26
OR APPLICATION NUMBER: 60/146222
OR FILING DATE: 1999-07-28
OR APPLICATION NUMBER: 60/146963
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             CTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACAC
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Pred. No. 1.2e-266;
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	GCAGGAGGGAGAGACAGAGA 1	1640	Qy
1500	CCAATGTCACAACAATCAGCCCTGGGCAGA	1441	Db
1639	CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAG	1580	Qy
1440	GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCT	1381	Db
1579	TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGAT	1520	Qy
1380	ATGACCGAGCTGAGG	1321	Db
1519	AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATC	1460	Qy
1320	GCGGCAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAG	1261	Db
1459	CGGCAGCACACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA	1400	Qy
1260	GTGGTGGAGTGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCAGCGACAG	1201	Db
1399	GTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA	1340	Qy
1200	GCAGAGGACTGGCGCGGGACGCGAAGAGAGAACGGGCGCTGCACAAAGCGGGCGCTGT	1141	Db
1339	TGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTC	1280	Оу
1140	TTAGACTGGGGCTCGGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC	1081	Db
1279	GGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAC	1220	Qy
1080	TGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGG	1021	Дb
1219	GAAT	1160	Qy
1020	TCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG	961	Db
1159	CTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTC	1100	Qy
960	GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCC	901	Db
1099	CATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	1040	Qy
900	CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGG	841	Db
1039	ACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG	980	Qy
840	CACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	781	Db
979	ACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAA	920	Qy
780	CCTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT	721	Db
919	AAATTCAGCYTGACTGAATTTTTCAGTATGTACTTGAAGGAAGGAA	860	Qy
720	CCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTG	661	рь
859	GTCCGTGTTCTCTTTTGTT	800	Qy
660	CCCCCCACCTCAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG	601	Дb
799	CCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG	740	Qy
000	TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAA	541	Db
739	GCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCC	680	Qy
540	CTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACAC	481	Db

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PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION 1997-09-17
PRIOR APPLICATION NUMBER: 60/05281
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C18
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                                                   OR APPLICATION NUMBER: 60//90472
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60//90557
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60//90691
OR FILING DATE: 1998-06-25
OR APPLICATION NUMBER: 60//90695
OR FILING DATE: 1998-06-25
OR APPLICATION NUMBER: 60//91982
OR APPLICATION NUMBER: 60//95302
OR FILING DATE: 1998-08-04
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OR APPLICATION NUMBER: 60/085579
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OR APPLICATION NUMBER: 60/086392
OR FILING DATE: 1998-05-22
OR APPLICATION NUMBER: 60/089532
OR FILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/089538
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OR APPLICATION NUMBER: 60/089905
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OR APPLICATION NUMBER: 60/0-
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RAPPLICATION NUMBER: 60/062287
RAPPLICATION NUMBER: 60/062287
RAPPLICATION NUMBER: 60/063545
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APPLICATION NUMBER: 60/081955
FILING DATE: 1998-04-15
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APPLICATION NUMBER: 60/079656
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FILING DATE: 1997-12-17
APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
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APPLICATION NUMBER: 60/08441
FILING DATE: 1998-05-06
APPLICATION NUMBER: 60/085323
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FILING DATE: 1998-03-27
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APPLICATION NUMBER: 60/095318 FILING DATE: 1998-08-04 APPLICATION NUMBER: 60/095916
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Smith, Victoria
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OR FILING DATE: 1998-12-22
OR APPLICATION NUMBER: 60/113605
OR FILING DATE: 1998-12-23
OR APPLICATION NUMBER: 60/113621
OR FILING DATE: 1998-12-23
OR APPLICATION NUMBER: 60/11558
OR FILING DATE: 1999-01-12
OR APPLICATION NUMBER: 60/115565
OR FILING DATE: 1999-01-12
OR FILING DATE: 1999-01-12 R APPLICATION NUMBER: 60/ R FILING DATE: 1998-09-11 R APPLICATION NUMBER: 60/ PR FILING DATE: 1998-09-15 FILING DATE: 1998-11-18
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R FILING DATE: 1998-12-15
R APPLICATION NUMBER: 60/113296
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FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108801
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108849 APPLICATION NUMBER: 60/106905 FILING DATE: 1998-11-03 APPLICATION NUMBER: FILING DATE: 1998-10 APPLICATION NUMBER: 60/106178 FILING DATE: 1998-10-28 APPLICATION NUMBER: 60/106248 APPLICATION NUMBER: FILING DATE: 1998-09 APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-09-25 APPLICATION NUMBER: APPLICATION NUMBER: 60/: FILING DATE: 1998-09-24 APPLICATION NUMBER: APPLICATION NUMBER: APPLICATION NUMBER: APPLICATION NUMBER: APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-08 APPLICATION NUMBER: APPLICATION NUMBER: APPLICATION NUMBER: 60/099811 APPLICATION NUMBER: APPLICATION NUMBER: APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-08-10 NUMBER: 60/101922 NUMBER: 1998-10-30 1998-10-29 1998-09-24 1998-09-24 1998-09-24 1998-09-18 1998-09-16 1998-09-15 1998-09-11 1998-09-10 1998-09-10 1998-09-10 1998-09-1998-09-09 1998-09-09 1998-08-31 1998-08-3 1998-08-1998-08-60/096791 8-17 60/100848 60/097986 60/106464 60/101916 60/101786 60/101741 60/101738 60/100919 60/100627 60/100390 60/100385 60/100038 60/099816 60/099812 60/099803 60/099598 60/099596 60/098544 60/096146 60/101477

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JR APPLICATION NUMBER: 60/144758

JR FILING DATE: 1999-07-20

OR APPLICATION NUMBER: 60/145698

OR FILING DATE: 1999-07-26

OR APPLICATION NUMBER: 60/146222

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APPLICATION NUMBER: 60/146963
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APPLICATION NUMBER: 60/149320
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APPLICATION NUMBER: 60/131291
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                   CTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCC
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CURRENT APPLICATION NUMBER: US/10/218,849
CURRENT FILING DATE: 2002-08-12
Prior Application removed - See File Wrapper
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
ORGANISM: Homo Sapien
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                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530P1C11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Baker, Kevin P. APPLICANT: Desnoyers, Luc
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Gerritsen, Mary
Goddard, Audrey
Goddwski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
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ALIGNMENTS

APPLICANT: STEPHAN, Jean-Philippe F. APPLICANT: Watanabe, Colin L. APPLICANT: Watanabe, Colin L. APPLICANT: Wood, William I. TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530D1C94 CURRENT APPLICATION NUMBER: US/10/230,437 CURRENT FILING DATE: 2002-08-28 PRIOR FILING DATE: 2002-08-28 PRIOR FILING DATE: 1997-09-17 PRIOR APPLICATION NUMBER: 60/059113 PRIOR APPLICATION NUMBER: 60/062287 PRIOR APPLICATION NUMBER: 60/062287 PRIOR APPLICATION NUMBER: 60/063549 PRIOR APPLICATION NUMBER: 60/064103 PRIOR APPLICATION NUMBER: 60/064103 PRIOR APPLICATION NUMBER: 60/064103 PRIOR APPLICATION NUMBER: 60/069873 PRIOR APPLICATION NUMBER: 60/079910 PRIOR APPLICATION NUMBER: 60/079294 ; TYPE: DNA ; ORGANISM: Homo US-10-230-437-15 RESULT 1 US-10-230-437-15 APPLICANT: Baker, Kevin P. APPLICANT: Desnoyers, Luc APPLICANT: Gerritsen, Mary APPLICANT: Goddard, Audrey APPLICANT: Godowski, Paul APPLICANT: Grimaldi, J. Ch Remaining Prior Application NUMBER OF SEQ ID NOS: 246 SEQ ID NO 15 LENGTH: 1524 Sequence 15, Application US/10230437 GENERAL INFORMATION: APPLICANT: APPLICANT: APPLICANT: PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27 : Goddard, Audrey : Godowski, Paul J. : Grimaldi, J. Christopher : Gurney, Austin L. : Smith, Victoria Gerritsen, Mary Sapien data removed -See File Wrapper or PALM

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APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCL
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: 93430RLC79
CURRENT APPLICATION NUMBER: US/10/125,923A
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
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                                                                                                                                APPLICATION NUMBER: 60/062250 FILING DATE: 1997-10-17 APPLICATION NUMBER: 60/063120 FILING DATE: 1997-10-24
APPLICATION NUMBER: 60/063540 FILING DATE: 1997-10-28 APPLICATION NUMBER: 60/063541 FILING DATE: 1997-10-28
                                                                 APPLICATION NUMBER: 60/063486 FILING DATE: 1997-10-21
                                                                                                APPLICATION NUMBER: 60/063121 FILING DATE: 1997-10-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTC
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Godowski, Paul
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Smith, Victoria
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          FILE REFERENCE: 44921-026

CURRENT APPLICATION NUMBER: US/10/240,425

CURRENT FILING DATE: 2002-09-30

PRIOR APPLICATION NUMBER: PCT/US01/09847

PRIOR FILING DATE: 2001-03-28

PRIOR APPLICATION NUMBER: US 60/193,446

PRIOR FILING DATE: 2000-03-31

NUMBER OF SEQ ID NOS: 1588

SOFTWARE: Patentin Ver. 2.1
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SEQ ID NO 15
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NUMBER OF SEQ ID NOS: 612
SEQ ID NO 215
LENGTH: 1337
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                                                                                                                                                                                                                                                                                                                                                                            Sequence 1530, Application US/10240425
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Best Local Similarity
SEQ ID NO 1530
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Best Local Similarity
                                                                                                                                                                                   APPLICANT: Alvarez, Chris
APPLICANT: Wetzel, Jon C.
APPLICANT: Scherf, Uwe
APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 09/756,168
PRIOR FILING DATE: 2001-01-09
PRIOR APPLICATION NUMBER: PCT/US00/19735
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: 60/145,220
PRIOR APPLICATION NUMBER: 60/145,220
PRIOR FILING DATE: 1999-07-23
                                                                                                                                                                                                                                                                                               APPLICANT:
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CURRENT APPLICATION NUMBER: US/10/266,829
CURRENT FILING DATE: 2002-10-09
                                                                                                                                                                                                                                                                                                                                   APPLICANT: Williams, Amanda
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TITLE OF INVENTION: 29 Human secreted proteins
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Lord, Reginald V.
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ative 0; Mismatc
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100.0%; Pred. No.
ative 0; Mismatch
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; LENGTH: 102
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-20982
                                                        ; OTHER INFORMATION: a or c or g US-09-907-907a-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-907-907A-23
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                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 23, Application US/09907907A GENERAL INFORMATION:
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SOFTWARE: Patent.pm
SEQ ID NO 20982
LENGTH: 102
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                     Query Match
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Best Local :
 Best Local Similarity
                                                                                                                                                                                                                                                            APPLICANT: Fisher, Paul B.
APPLICANT: Leszcyniecka, Magdalena
TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENC
TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
CURRENT APPLICATION NUMBER: US.09/907,907A
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: US.09/243,277
PRIOR FILING DATE: 1999-02-02
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/122,487 PRIOR FILING DATE: 1999-02-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins. FILE REFERENCE: 59.US2.REG
                                                                                           FEATURE:
NAME/KEY: unsure
LOCATION: 21
                                                                                                                                                                        TYPE: DNA
                                                                                                                                                ORGANISM: Homo sapiens
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100.0%; Pred. No. 0.0
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Score 23;
Pred. No.
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Pred. No.
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DB 5;
0.082;
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0.025;
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US-09-907-907A-31
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Best Local S
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Best Local
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NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 31
LENGTH: 315
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 31, Application US/09907907A GENERAL INFORMATION:
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LENGTH: 286
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                                                                                                                                                                                                                                                                                                                                         APPLICANT: Leszcyniecka, Magdalena
TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENCE
TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
CURRENT APPLICATION NUMBER: US/09/907,907A
CURRENT FILING DATE: 2001-07-16
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: US 09/243,277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/266,131
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: US/09/617,675
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 60/143,878
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 2908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Novel Murine Polynucleotide Tags and TITLE OF INVENTION: Mutant Cells and Mutant Animals Defined Thereby FILE REFERENCE: LEX-0030-USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Fisher, Paul B. APPLICANT: Leszcyniecka, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Friedrich, Glenn APPLICANT: Zambrowicz, Bri
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LOCATION: (1)...(286)
OTHER INFORMATION: n = A,T,C
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ORGANISM: Mus musculus
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                                                                                          Local 23;
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                                                                                                                     Similarity
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Sands, Arthur T.
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US-10-240-425-758/c
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                                                                                                                   , OTHER INFORMATION: Genbank Accession No. AI262104 US-10-240-425-525
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 758
LENGTH: 504
TYPE: DNA
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SEQ ID NO 525
LENGTH: 523
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                                       Matches
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Best Local Similarity
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APPLICANT:
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PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
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TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Williams, Amanda
APPLICANT: Boland, Joseph I
APPLICANT: Lord, Reginald v
APPLICANT: Alvarez, Chris
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TITLE OF INVENTION: Gene Expre
FILE REFERENCE: 44921-5026
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APPLICANT: Boland, Joseph
APPLICANT: Lord, Reginald
APPLICANT: Alvarez, Chris
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PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION UMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
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                                                                                                                                                                                                     TYPE: DNA
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  1875 TGTAAAAAAAAAAAAAAAAAAA 1897
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                                       23; Conservative
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Lord, Reginald V.
Alvarez, Chris
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Lord, Reginald V.
Alvarez, Chris
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Scherf, Uwe
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                  100.0%; Preu....
rative 0; Mismatches
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                                                          Score 23;
Pred. No.
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                                                          DB 6; Length 523; 0.078;
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; FEATURE:
, NAME/KEY: misc_feature
; LOCATION: (74)...(74)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-1055
                                                         RESULT 13
US-10-264-237-687
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US-10-264-237-114
                  Sequence 687, Application US/10264237 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: Patentin Ver. 3.1
SEQ ID NO 1055
LENCTH: 785
TYPE: DNA
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GENERAL INFORMATION:
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Best Local :
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Birse et al. TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies FILE REFERENCE: PA131P1
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TITLE OF INVENTION: Nucleic Acids, Proteins,
FILE REFERENCE: PA131P1
APPLICANT: Birse et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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23; Conserv
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100.0%; Pred. No.
1ve 0; Mismatches
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APPLICANT: Birse et al.
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: POT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2001-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: PATENTIN Ver. 3.1
SEQ ID NO 563
LENGTH: 1092
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US-10-264-237-563
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-687
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Best Local Similarity
Matches 23; Conserv
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LENGTH: 1001
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Best Local :
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TITLE OF INVENTION: NR3B Receptor Subunit Compositions and Related Methods
FILE REFERENCE: M00656.70068.WO
CURRENT APPLICATION NUMBER: PCT/US02/33408
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US 60/344,545
PRIOR FILING DATE: 1999-10-19
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Rattus norvegicus
ORGANISM: Homo sapiens
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100.0%; Pr
'... 0;
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0.076;
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; NAME/KEY: misc_feature
; LOCATION: (912)..(912)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-40
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US-10-264-237-995
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SEQ ID NO 40
LENGTH: 1326
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SEQ ID NO 995
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APPLICANT: Birse et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies FILE REFERENCE: PA131P1

CURRENT APPLICATION NUMBER: US/10/264,237

CURRENT FILING DATE: 2002-10-04

PRIOR APPLICATION NUMBER: PCT/US01/16450

PRIOR FILING DATE: 2001-05-18

PRIOR APPLICATION NUMBER: US 60/205,515

PRIOR FILING DATE: 2000-05-19

NUMBER OF SEQ ID NOS: 2876
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Best Local Similarity
                                   TITLE OF INVENTION: Nucleic Acids, Proteins, and FILE REFERENCE: PA131P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
                      SOFTWARE:
                                                                                                                                                                                                                                 APPLICANT: Birse et al.
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LOCATION: (227)...(227)
OTHER INFORMATION: n equals a,t,g, or c
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LOCATION: (1078)..(1078)
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0.075;
hes 0; Indels
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APPLICANT: Hidney, Dennis L.
APPLICANT: Hu, Xu
APPLICANT: Hu, Xu
APPLICANT: Li, Guihua
ITILE OF INVENTION: Sunflower Disease Resistance Genes
FILE REFERENCE: 35718/200630
CURRENT APPLICATION NUMBER: US/09/602,472A
CURRENT FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 60/140,876
PRIOR FILING DATE: 1999-06-24
NUMBER OF SEQ ID NOS: 64
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1593
TYPE: DNA
TYPE: DNA
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; SEQ ID NO 1007
; LENGTH: 1571
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-1007
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US-10-264-237-1007
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                                                                                                                     US-09-602-472A-1
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                                                 Matches
                                                               Query Match
Best Local 9
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Best Local
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
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                                                                                                                                            ORGANISM: Helianthus annuus
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                                                                                                                                     FEATURE:
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1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
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                                                              Local Similarity
                                                 23;
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                                        1.2%; 5c.
100.0%; Pre
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100.0%; Prr
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Pred. No.
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0.074;
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1571 TGTAAAAAAAAAAAAAAAAAA 1593

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; Sequence 890, Application US/10264237
; GENERAL INFORMATION:
APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, an;
; FILE REFERENCE: PA131P1
; CURRENT APPLICATION NUMBER: US/10/264,237
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
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; ORGANISM: Zea mays
US-10-260-046-19
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; ORGANISM: HOMO sapiens
US-10-264-237-457
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GENERAL INFORMATION:
APPLICANT: Dhugga, Kanwarpal S.
APPLICANT: Tomes, Dwight
TITLE OF INVENTION: Manipulation of Plant Polysaccharide
TITLE OF INVENTION: Synthases
FILE REFERENCE: 1296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: Patentin Ver. 3.1
SEQ ID NO 457
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GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
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Best Local Similarity
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CURRENT FILING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: 60/325,614
PRIOR FILING DATE: 2001-09-27
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0.074;
                                                                                                      and Antibodies
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; TYPE: DNA; ORGANISM: Homo sapiens US-10-264-237-890
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
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Best Local :
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SEQ ID NO 890
LENGTH: 1765
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                                                 PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/145,087A CURRENT FILING DATE: 2001-10-18
                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C47
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                PRIOR APPLICATION NUMBER: 60/077641 PRIOR FILING DATE: 1998-03-11
                                                                                                                          PRIOR FILING DATE: 1997-11-
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Botstein, David
Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                       Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Gurney, Austin L.
Hillan, Kenneth J
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Gerritsen, Mary E.
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                                                                                                                                                                                                                                                                                                                                                                                                                            Daniel
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; TYPE: DNA; ORGANISM: Homo sapiens US-10-145-087A-136
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US-10-143-031A-136
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GENERAL INFORMATION
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LENGTH: 1998
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                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 09/918585 PRIOR FILING DATE: 2001-07-30 PRIOR APPLICATION NUMBER: 60/062250 PRIOR FILING DATE: 1997-10-17 PRIOR APPLICATION NUMBER: 60/064249 PRIOR FILING DATE: 1997-11-03
                                PRIOR APPLICATION NUMBER: 60/077641 PRIOR FILING DATE: 1998-03-11
                                                                 PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/066364
                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/143,031A CURRENT FILING DATE: 2002-10-10
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                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/065311
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                                                                                                                                                PRIOR FILING DATE: 1997-11-
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FILING DATE:
               APPLICATION NUMBER: 60/077649
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Similarity 100.0%; Pred. No.
23; Conservative 0; Mismatc
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Wood, William I
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Stewart, Timothy A.
Tumas, Daniel
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Grimaldi, J. Christopher
Gurney, Austin L.
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Gerritsen, Mary E.
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
US-10-143-031A-136
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CURRENT APPLICATION NUMBER: US/10/145,092A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-11-03
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        FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/077641
FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/077649
                                                                                FILING DATE: 1998-03 APPLICATION NUMBER:
                                                                                                                                                                APPLICATION NUMBER: 60/065311
FILING DATE: 1997-11-13
                                                                                                                APPLICATION NUMBER: 60/077450
                                                                                                                                APPLICATION NUMBER: 60/066364 FILING DATE: 1997-11-21
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23; Conserv
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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Hillan, Kenneth J
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100.0%; Pred. No. 0.073;
tive 0; Mismatches
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; ORGANISM: Homo sapiens 
US-10-145-092A-136
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
ENGINE 1998
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                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C56
                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/162,522A CURRENT FILING DATE: 2002-10-10
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nes 23; Conservative (
                               FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/
FILING DATE: 1998-03-11
                                                                                                                                           APPLICATION NUMBER: 60/065311
FILING DATE: 1997-11-13
APPLICATION NUMBER: 60/066364
FILING DATE: 1997-11-21
FILING DATE:
                                                                                      APPLICATION NUMBER: 60/077450 FILING DATE: 1998-03-10 APPLICATION NUMBER: 60/077632
                   APPLICATION NUMBER:
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Grimaldi, J. Christopher
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Filvaroff,
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Hillan, Kenneth J
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Gerritsen, Mary E.
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ton, David L.
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1998-03-11
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                                                     60/077641
               60/077649
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Pred. No.
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RESULT 27
US-10-165-038A-136
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Best Local Similarity
Matches 23; Conserv
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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             PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 09/218585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/662250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: PP6430PLC29.

CURRENT APPLICATION NUMBER: US/10/165,038A

CURRENT FILING DATE: 2002-10-10
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APPLICANT:
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                                                                                      PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
                                                                                                                                              PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
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PRIOR FILING DATE: 1998-03-12
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APPLICATION NUMBER: 60/077649
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Wood, William
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
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Gao, Wei-Qiang
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Desnoyers, Luc
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                                   60/077641
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; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-10-165-038A-136
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US-10-165-353-136
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
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APPLICANT: Baker Kevin P
                                                                                       PRIOR
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C40
                                                                                                                                                          PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
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CURRENT FILING DATE: 2002-10-10
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                                                                                                        APPLICATION NUMBER: 60/077450 FILING DATE: 1998-03-10
                               APPLICATION NUMBER: 60/077641 FILING DATE: 1998-03-11
                                                                    FILING DATE: 1998-03-11
                                                                                   APPLICATION NUMBER: 60/077632
                                                                                                                                         FILING DATE: 1997-11-21
FILING DATE:
                APPLICATION NUMBER: 60/077649
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Stewart, Timothy A.
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Desnoyers, Luc
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1998-03-11
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f, Ellen
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RESULT 29
US-10-170-481A-136
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                                                                                                                                   PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR PPLICATION NUMBER: 60/062250
PRIOR PPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR PPLICATION NUMBER: 60/065311
PRIOR PPLICATION NUMBER: 60/065311
PRIOR PPLICATION NUMBER: 60/066364
PRIOR PPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-71
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENCTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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Best Local Similarity 100.0%;
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APPLICANT:
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                                                                  APPLICATION NUMBER: 60/077632 FILING DATE: 1998-03-11
                                                                                                     APPLICATION NUMBER: 60/077450 FILING DATE: 1998-03-10
              FILING DATE: 1998-03-11 APPLICATION NUMBER: 60/077649
                                                 APPLICATION NUMBER: 60/077641
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Stewart, Timothy A.
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Hillan, Kenneth J
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Botstein, David
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1998-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , Audrey
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 Mismatches

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Pred. No.
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RESULT 30
US-10-172-039A-136
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                                                                                                                      PRIOR APPLICATION NUMBER: 60/062250
PRIOR TILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR TILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION UMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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APPLICANT: Baker Kevin p
APPLICANT: Botstein, Dav
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FILING DATE:
                                APPLICATION NUMBER: 60/077641 FILING DATE: 1998-03-11
                                                                FILING DATE: 1998-03-10
APPLICATION NUMBER: 60/077632
FILING DATE: 1998-03-11
              APPLICATION NUMBER: 60/077649
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
Gurney, Austin L.
Gullan, Kenneth J
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CURRENT APPLICATION NUMBER: US/10/145,016A
CURRENT FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR TILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 10/064249
PRIOR FILING DATE: 1997-11-03
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US-10-145-016A-136
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-10
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                                                                          PRIOR APPLICATION NUMBER: 60/077632 PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/065311 PRIOR FILING DATE: 1997-11-13
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Shelton, David L.
Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Napier, Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kijavin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gurney, Austin L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Goddard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Botstein, David
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ff, Ellen
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100.0%; Pred. No.
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 Mismatches

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0.073;
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FILE REPERENCE: P2630P1C49
CURRENT APPLICATION NUMBER: US/10/145,088A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
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US-10-145-088A-136
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
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Best Local
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TYPE: DNA
ORGANISM: Homo saplens
                                   PRIOR APPLICATION NUMBER: 60/077641 PRIOR FILING DATE: 1998-03-11
                                                                                              PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
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                                                                              PRIOR FILING DATE: 1998-03-11
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Local Similarity 100.0%; Pred. No. 0.073;
Nes 23; Conservative 0; Mismatches
FILING DATE: 1998-03-11
                     APPLICATION NUMBER: 60/077649
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Shelton, David L.
Stewart, Timothy A.
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Botstein, David
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Grimaldi, J. Christopher
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Kuo, Sophia S.
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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Matches
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APPLICANT: Baker Kevin P
                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/145,129A CURRENT FILING DATE: 2002-10-10
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APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C51
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                                                                                                       PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION UNMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/064249
PRIOR TILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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                                                                   PRIOR APPLICATION NUMBER: 60/077632 PRIOR FILING DATE: 1998-03-11
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nes 23; Conser
             FILING DATE: 1998-03-11 APPLICATION NUMBER: 60,
                                                  APPLICATION NUMBER: 60/077641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Shelton, David L. Stewart, Timothy A.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sophia S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sherman
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1998-03-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Paul
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                 60/077649
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                                                  Ouery Match 1.2%; Score 23; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 23; Conservative 0; Mismatches
                                                                                                                                                                                 SEQ ID NO 53
LENGTH: 1998
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Best Local Similarity 100.08;
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
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                                                                                                                                                                                                                     Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 612
                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/063544 PRIOR FILING DATE: 1997-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/125,923A CURRENT FILING DATE: 2002-01-15 PRIOR APPLICATION NUMBER: 10/052586 PRIOR FILING DATE: 2002-01-15
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1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/059266 FILING DATE: 1997-09-18
                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/063541
                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/063540
FILING DATE: 1997-10-28
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FILING DATE: 1997-10-17
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                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1997-10-21
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                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/063121
FILING DATE: 1997-10-24
                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/063120 FILING DATE: 1997-10-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Smith, Victoria
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                                                                                                                                                                                                                                                                                                                                                                                   60/063486
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0.073;
                                                                                        DB 6;
                                                                       0.073;
                                                                                      Length 1998;
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                                                    Indels
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                                                                                                          ; TYPE: DNA; ORGANISM: Homo sapiens US-10-165-353A-136
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US-10-165-353A-136
                                                                                                                                                              SEQ ID NO 136
LENGTH: 1998
                                                                      Query Match
                                       Matches
                                                      Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and ETITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C40
CURRENT EPPLICATION NUMBER: US/10/165,353A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR APPLICATION NUMBER: 2001-07-30
PRIOR ADDITION TOWNSTORMERS
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                                                                                                                                                                                                Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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APPLICANT: Baker Kevin P.
                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION UNMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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1875 ТGTAAAAAAAAAAAAAAAAAAA 1897
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                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/077649
FILING DATE: 1998-03-11
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                                     l Similarity
23; Conserv
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Filvaroff,
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Gao, Wei-Qiang
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ellen
                                   0;
                                                    Score 23;
Pred. No.
                                     Mismatches
                                                    DB 6;
0.073;
                                   0
                                                                     Length 1998;
                                   Indels
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1974 TGTAAAAAAAAAAAAAAAAAAAA 1996

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RESULT 36
US-10-125-923A-227
; Sequence 227, Applic
; GENERAL INFORMATION
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; ORGANISM: Homo Sapien
US-10-125-923A-227
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                                                                                                                                                                                                                   RESULT 37
                                                                                                                                                            sequence 156, Application US/10145087A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 227
LENGTH: 2136
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APPLICANT:
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Best Local
                                                                                                                                                                                                                                                                                                                                            Matches
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CURRENT APPLICATION NUMBER: US/10/125,923A

CURRENT FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 10/052586

PRIOR FILING DATE: 2002-01-15

PRIOR FILING DATE: 2002-01-15
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PRIOR
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PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
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PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
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PRIOR FILING DATE: 1997-10-24
APPLICANT:
                  APPLICANT:
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Remaining Prior Application data removed - See File Wrapper or PALM
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                                                                                                                                                                                                                                                                                                                                 Local 5.
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APPLICATION NUMBER: 60/063541
FILING DATE: 1997-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/063486 FILING DATE: 1997-10-21
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Gurney, Austin L.
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Gao, Wei-Qiang
              Fong,
                                 Filvaroff, Ellen
                                                                                    Botstein, David
Desnoyers, Luc
                                                                                                                         Baker Kevin P.
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                                                                      Eaton, Dan
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                                                                                                                                                                                                                                                                                                                                          Conservative
                    Sherman
                                                                                                                                                                                                                                                                                                                                      1.2%; Score 23; DB
100.0%; Pred. No. 0.0
tive 0; Mismatches
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RESULT 38
US-10-143-031A-156
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; ORGANISM: Homo sapiens
US-10-145-087A-156
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PRIOR ETILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR RPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
                                                                                                                                                              Sequence 156, Application US/10143031A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 156
LENGTH: 2680
                                                                                                                                                                                                                                                                                                                                                Matches
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APPLICANT:
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APPLICANT: Baker Kevin P
APPLICANT: Botstein, Dav:
APPLICANT: Desnoyers, Luc
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APPLICANT:
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PRIOR APPLICATION NUMBER: 60
PRIOR FILING DATE: 1998-03-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                       APPLICANT:
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                                                                                                                                                                                                                                                                            2655 TGTAAAAAAAAAAAAAAAAAAA 2677
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FILING DATE: 1997-11-21
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Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
Fong, Sherman
Gao, Wei-Qiang
                                  Ferrara, Napoleon Filvaroff, Ellen
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
                                                                                                                          Baker Kevin P.
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                                                                       Eaton, Dan
                                                                                       Desnoyers, Luc
                                                                                                           Botstein, David
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                  Sherman
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100.0%; Pred. No. 0.072;
tive 0; Mismatches
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US-10-145-092A-156; Sequence 156, Application US/10145092A; GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-10-143-031A-156
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APPLICANT:
APPLICANT:
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Best Local Similarity 100.0%;
Matches 23; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 156
LENGTH: 2680
                                                 APPLICANT:
APPLICANT:
APPLICANT:
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FILING DATE: 1998-03-10
APPLICATION NUMBER: 60/077632
FILING DATE: 1998-03-11
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FILING DATE: 1997-11-21
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                                                                                                 : Ashkenazi, Avi
: Baker Kevin P.
: Botstein, David
: Desnoyers, Luc
Gao, Wei-Qiang
                             Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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Grimaldi, J. Christopher
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                                                                                    Eaton, Dan
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                                                                                                                                 RESULT 40
US-10-162-522A-156
US-10-162-522A-156
Sequence 156, Application US/10162522A
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Ashkenazi, Avi
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LENGTH: 2680
                                                                                              APPLICANT:
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Best Local
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APPLICANT:
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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CURRENT APPLICATION NUMBER: US/10/145,092A
CURRENT FILING DATE: 2002-10-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo sapiens
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                       Fong,
                         Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
                                                                                                              Baker Kevin P.
Botstein, David
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Williams, P. Mickey
Wood, William I.
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Shelton, David L.
Stewart, Timothy A.
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Godowski, Paul J.
Grimaldi, J. Christopher
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                                                                               Eaton, Dan
                                                                                               Desnoyers, Luc
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Hillan, Kenneth J
           Gao, Wei-Qiang
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                                                                                                                                              Sequence 156, Application US/10165038A GENERAL INFORMATION:
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Best Local Similarity
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
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                                                                                APPLICANT:
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APPLICANT: Baker Kevin P
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PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
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PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/077649
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                                                                                                                                                                                                                                                          1875 TGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                          2655 TGTAAAAAAAAAAAAAAAA 2677
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                                                                                                                                                                                                                                                                                                          23;
                                                              Botstein, David
Desnoyers, Luc
Eaton, Dan
                  Fong,
                               Filvaroff, Ellen
                                                                                                             Baker Kevin P.
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Tumas, Daniel
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               William I.
                Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nicholas F.
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100.0%; Pred. No.
ative 0; Mismatc
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0.072;
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                                                                                                                                                                          US-10-165-353-156
                                                                                                                                           Sequence 156, Application US/10165353 GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
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                                                              APPLICANT:
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APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                        23;
                                                                                                                              Ashkenazi, Avi
Fong, Sherman
Gao, Wei-Qiang
                                                              Desnoyers, Luc
Eaton, Dan
                               Filvaroff,
                                                 Ferrara,
                                                                                               Botstein, David
                                                                                                            Baker Kevin P.
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; TYPE: DNA; ORGANISM: Homo sapiens US-10-165-038A-156
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PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-27
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR FILING DATE: 1998-03-12
                                                                                                                                                                                                                                     Remaining Prior Application
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C29
                                         1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
2655 TGTAAAAAAAAAAAAAAAAAA 2677
                                                                                                         Similarity
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Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
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Stewart, Timothy A.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumas, Daniel
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                                                                                    Conservative
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en, Mary E.
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                                                                         1.2%; 5c
100.0%; Pr
'''a 0;
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                                                                                                       Score 23; Pred. No.
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                                                                                                         DB 6;
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Napoleon f, Ellen

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RESULT 43
US-10-170-481A-156
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Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 624

SEQ ID NO 156

LENGTH: 2680

TYPE: DNA

ORGANISM: Homo sapiens

US-10-165-353-156
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Best Local S
Matches 23
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
                                                       APPLICANT:
                    APPLICANT:
                                    APPLICANT:
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                                                                                                                                                                                                                                                                              1875 TGTAAAAAAAAAAAAAAAAA 1897
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FILING DATE: 1998-03-10
APPLICATION NUMBER: 60/077632
FILING DATE: 1998-03-11
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FILING DATE: 1997-11-13
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Fong, Successions, Sao, Wei-Qiang
                                                                                                 Baker Kevin P.
Botstein, David
Desnoyers, Luc
                                                                                                                                                        Ashkenazi, Avi
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Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
                                                 Filvaroff, Ellen
                                                                                        Eaton, Dan
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sophia S.
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                                                                                                                                                                                                                                                                                                                                                                                 Length 2680;
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US-10-172-039A-156
; Sequence 156, Application US/10172039A
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
; APPLICANT: Botsetsin, David
; APPLICANT: Botsetsin, David
; APPLICANT: Botsetsin, David
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-10-170-481A-156
                                                                                                                                                                                                                                                  RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 156
LENGTH: 2680
                    APPLICANT:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/170,481A CURRENT FILING DATE: 2002-10-10
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                                                                                                                                                                                                                                                                                                                          1875 TGTAAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                      2655 TGTAAAAAAAAAAAAAAAAAAA 2677
Fong, Succession, Wei-Qiang
                                                  Filvaroff, Ellen
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Grimaldi, J. Christopher
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Godowski, Paul
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                                                                                                                                                                                                                                                                                                                                                                              ilarity 100.0%; I Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Daniel
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                                                                                                                                                                                                                                                                                                                                                                                                1.2%; Score 23; DB 6; 100.0%; Pred. No. 0.072;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60/077649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           data removed -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     See File Wrapper or PALM
                                                                                                                                                                                                                                                                                                                                                                                                                    Length 2680;
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APPLICANT:

Gerber,

Hanspeter

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-172-039A-156
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CURRENT APPLICATION NUMBER: US/10/172,039A

CURRENT FILING DATE: 2002-10-10

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR APPLICATION NUMBER: 60/064249

PRIOR APPLICATION NUMBER: 60/064311

PRIOR APPLICATION NUMBER: 60/065311
                                                                                                                                                          Sequence 156, Application US/10145016A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
TYPE: DNA
                                                                                                      APPLICANT:
APPLICANT:
                                                                    APPLICANT:
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PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
 APPLICANT:
                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Remaining Prior Application data removed - See File Wrapper or PALM
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PRIOR APPLICATION NUMBER: 60,
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                  APPLICANT:
                                    APPLICANT:
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les 23; Conserv
                                                                                                                                         Ashkenazi, Avi
                                                                    Baker Kevin P.
Botstein, David
Desnoyers, Luc
Eaton, Dan
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Williams, P. Mic
Wood, William I.
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Shelton, David L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Grimaldi, J. Christopher
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Gao, Wei-Qiang
                                 Filvaroff, Ellen
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Search completed: November Job time: 105.998 secs

2002, 02:04:42

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; TYPE: DNA; ORGANISM: Homo sapiens US-10-145-016A-156
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CURRENT FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 09/91858
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/06364
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-03-10
                                                                                                          Query Match
Best Local :
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LENGTH: 2680
                                                                                         Matches
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR FILING DATE: 1998-03-11
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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2655 TGTAAAAAAAAAAAAAAAAAAA 2677
                                           1875 ТGTAAAAAAAAAAAAAAAAAA 1897
                                                                                         23;
                                                                                  h 1.2%; Score 23; DB 6; Similarity 100.0%; Pred. No. 0.072; 23; Conservative 0; Mismatches
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Grimaldi, J. Christopher
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Stewart, Timothy A.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                    data removed - See File Wrapper or PALM
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Database
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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Perfect score:
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1897
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Gapop 10.0 , Gapext 1.0
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Pred. o . is the number of results predicted by chance to have

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result Ö 1523 Score Match 45.2 1797 42.2 826 33.9 209885 29.0 591 26.8 1362 26.8 1362 26.3 92874 25.3 444 19.4 396 115.7 147131 12.1 190503 4.2 1367914 3.3 125020 3.1 1257 3 Query 3 1524 4 129676 7 2528 9 946 2 1797 2 1826 3 209885 5 151 Length DB 10 9 AB041649 BC011449 AC124493 AX136556 AX319942 AF0316698 AX136698 AX13693381 AC0128363 AC0128363 AC0128363 AC0128363 AC128363 HSNEURA AF4 29 31 5 E37 240 E6 31 20 AF1 10 20 06 HSU 03 26 88 HSHG11 10 RP AR1 10 72 56 AR1 19 43 56 AR1 19 43 56 AR 10 72 58 AP 10 90 23 8 AP 10 17 86 AC 10 19 29 AX136281 AK094501 AX358762 AX362255 AC079773 AX319944 BC017318 SUMMARIES AX280911 Sequence X70070 H.sapiens m AF429315 Homo sapi E37240 Novel physi E37240 Novel physi E631200 Peptide der AF100206 Macaca mu U03642 Human G pro BC032688 Homo sapi X89271 H.sapiens m AR107256 Sequence AR194356 Sequence AR194356 Sequence AC090238 Homo sapi AP001786 Homo sapi AP001786 Homo sapi AC016779 Oryza sat AC101929 Mus muscu L49362 Hylobates 1 L49362 Hylobates 1 AX136556 Sequence AX319942 Sequence AF034633 Homo sapi AC112072 Rattus no AX136698 Sequence AX150120 Sequence AX093191 Sequence AX093191 Sequence AX093191 Sequence AX093381 Sequence AX093381 Sequence AX093381 Rattus no AC128363 Rattus no AC128363 Rattus no AC110344 Rattus no AL590677 Human DNA AF429315 Homo sapi AB017027 Mus muscu AC098321 Rattus no E11480 CDNA encodi AX358762 Sequence AX362255 Sequence AC079773 Homo sapi AX3119944 Sequence BC01.7318 Homo sapi AB041649 Mus muscu BC0111449 Homo sapi BC011449 AC124493 AX136556 AX319942 AF034633 AC112072 AX136698 AR165922 Sequence AX136281 Sequence AK094501 Homo sapi Description

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ALIGNMENTS

TITLE	AUTHORS	REFERENCE		ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION	DEFINITION	LOCUS	AX136281	RESULT 1
Hayashi,K. Secretory protein or membrane protein	Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Suqiyama,T. and	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 1890)	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	Homo sapiens	human.		AX136281.1 GI:14272687	AX136281	2.	AX136281 1890 bp DNA linear PAT 30-MAY-2001		

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Helix Research Institute (JP)
Location/Qualifiers
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/protetn_id="Cac39782.1"
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/db_xref="GG1:14272688"
/trans1at1on="MWYLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
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1859 1872	1800 AGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAG	Qу Db
1799 1812	1740 GGCCAGGAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGCA 	Qy Db
1739 1752	680 TGAGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACT 	рb
1679 1692	620 ACAATCAGCCCTGGGCAGACACGAGCAGGAGGAGAGAGAG	Оy
1619 1632	.560 TTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACA	Оу
1559 1572	00 GAGAAGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT	Оу
1499 1512	440 TGCGACGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCC	Qу
1439 1452	1380 TIGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGC	Оу
1379 1392	.320 TGCACAAAGCGGGGGTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGG 	pb dy
1319 1332	1261 AAATCTTCTCAGTTCT-CCTTGCAGAGGACTGGCGCCCGGGACGCGGAAGAGCAACGGGCGCCCTTGCAGAGACTGGCGCCCCGGGACGCGCAAGAGCAACAGGGCGCCAGAAGA	Db Qy
1260 1272	201 CGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGA	Db Qq
1200 1212	141 GAAAACCATTCTCTGCAGCAGAATTGGCTGGCTTTCGCGCCTGAGTTGGGCTCTAGTGACT	Фр
1140 1152	GCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCT 	Qy
1080 1092	021 CATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAG 	Qy Db
1020 1032	61 AGAGTCWGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTC	ОУ
960 972	01 AGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGC	Qy Db
900 912	841 CTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAATTTTCAGTAGTAGTACTTGAAGGA :	Qу
840 852	81 ATTCTGGGTAGGGAGCGGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAG	Оу

Query Match 90.9%; Score 1725; DB 9; Length 1832; Best Local Similarity 96.4%; Pred. No. 0; Matches 1809; Conservative 2; Mismatches 2; Indels 64; Gaps 2; Qy 1 GCCAACTCCGGAGGCTCTGGTGCTCGGCCCGGAGCGGAG	/org /db/ /clo /clo /not 215. /not /cod /pro /db_ /tra NCTV TPLC	Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@fhri.co.jp, Tel:81-438-52-3985) KEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'-& 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB. FEATURES Location/Qualifiers 1.1832	Kawai-Hio,Y., Satto,K., Nishikawa,T., Kimura,K., Yamamoto,J., Isono,Y., Kawai-Hio,Y., Satto,K., Nishikawa,T., Kimura,K., Yamashita,H., Watsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda,K., Wagatsuma,M., Murakawa,K., Kanehori,K., Takahashi-Fujii,A., Oshima,A., Suzuki,Y., Sugano,S., Nagahari,K., Masuho,Y., Nagai,K. TITLE NEDO human cDNA sequencing project NEDO human cDNA sequencing project NEDO human cDNA sequencing project OURNAL Unpublished REFERENCE 2 (bases 1 to 1832) AUTHORS Isogai,T. and Yamamoto,J. TITLE Direct Submission Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team): 2-6-7	S oligo capping; fls (full insert sequence). Homo sapiens alzhaimer cortex cDNA to mRNA, clone_lib:BRALZ2 clone:BRALZ2001350. ISM Homo sapiens EUKaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleoston EUKaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo. EUKaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo. CE 1 RS Kawakami, B., Sugiyama, A., Takemoto, M., Sugiyama, T., Irie, R.,	RESULT 2 AK094501 AK094501 AK094501 AK094501 AK094501 DEFINITION Homo sapiens cDNA FLJ37182 fis, clone BRALZ2001350, weakly similar to Homo sapiens Gz-selective GTPase-activating protein (RGS20) ACCESSION AK094501 AK094501.1 GI:21753575	Qy 1860 AAATGCTTTAGACAGTGT 1877
OY 1021 CATTCCATCCCTGATGGGGCATAGTTTGAGACTGAGAGTGAGAGTGACGTTTTCTTAG 1080	781 A 736 A 841 C 796 C 901 A 961 A	Oy 601 GGGAAGTTCTGCCCTCAGGCCAGGGCTCCGGCACCACCATCCTGTTCCTCAAATT 660	Qy 421 TCAGAAAGAACTGATGGAGCAAAGTGCCGGGATCATGTACCGCCAAGTCCTGTGCATCATC 480	Qy 301 CTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGTACAAGTGCAAGAATTCCAGCTGAA 360	QY 181 CGCTGCAGCCGGGCAGCCTCCGCTGCTGCTCTCTCTCCCC 240	QY 121 AGCTACGACCGTCGTCTCCGCGGCAGCAGCGGGGCCCCAGCAGCGCGCAGCAGC 180

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REFERENCE
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                                                                                                                                                                                                                                                            1524 bp
Sequence 15 from Patent W00193983.
                                                                                                                       Baker, K.P., Desnoyers, L., Gerritsen, M.E., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Watanabe, C.K. and Wood, W.I.
                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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 /organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 15 from Patent WO0208288.
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Homo sapiens BAC clone RP11-258B17
AC079773
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Submitted (09-AUG-2001) Genome
University School of Medicine,
MO 63108, USA
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                                                                                                  Submitted (09-JAN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6: On Aug 9, 2001 this sequence version replaced gi:14488388.
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                   Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
------ Summary Statistics
Center project name: H_NH0258B17
                                                                  Center: Washington University Genome Sequencing Center code: WUGSC
                                                                                                                                                                       Submission
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                 Summary Statistics
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:

Mapping information for this clone was provided by Dr. John D.

Mapping information for this clone was provided by Dr. John D.

McPherson, Department of Genetics, Washington University, St. Louis

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SOURCE INFORMATION:
SOURCE INFORMATION:
The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute (http://bacpac.med.buffalo.edu)
VECTOR: pBACe3.6
NEIGHBORING SEQUENCE INFORMATION:
The clone sequenced to the left is RP11-1122; the clone sequenced to the right is RP11-159N20, 2000 bp overlap. Actual start of this clone is at base position 1 of RP11-258B17; actual end is at base position 60003 of RP11-159N20.

RP11-258B17 contains a single plasmid region from 1230 to 1239.

Location/Qualifiers

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20618
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          /translation="MASPSLPGSDCSQIIDHSHVPEEPVATWIKITLILVYLIIFVMG
LLGNSATIRVTQVLQKKGYLQKEVTDHSVSLACSDILVETLIGHPMEFYSIIWNELTTS
SYTLSCKLHFELFEACSYATLLHVLTLSFERYIAIGHPFEYRAVSGPCQVKLLLGSVW
VTSALVALPLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
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42. .1403
LFASRRQSSARRTEKIFLSTFQSEAEPQSKSQSLSLESLEPNSGAKPANSAAENGFQE
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/db_xref="GI:17901492"
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Homo sapiens, clone MGC:29643 IMAGE:3641660, mRNA, complete
BC017318
BC01731B.1 GI:16878220
                          Clone distribution: MGC clone distribution information can be fo through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAL Plate: 39 Row: b Column: This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis, Similarity but not identity to protein.
                                                                                                                                                  Contact: nisc_mgc@nhgri.nih.gov
Shevchenko,Y., Wetherby.K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,E., Beroks,S.,
Dietrich,N.L., Gunta,Y., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Lim,M., Maduro,O.L., Masiello,G., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tiongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
                                                                                                                                                                                                                                                                                            Tissue Procurement: ATCC

CDNA Library Preparation: Rubin Laboratory

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: National Institutes of Health Intramural

Sequencing Center (NISC),
                                                                                                                                                                                                                                                                                 Gaithersburg, Maryland;
                                                                                                                                                                                                                                                                                                                                                                            Contact: MGC help desk
Email: cgapbs-r@mail.n
                                                                                                                                                                                                                                                                                                                                                                                                        NIH-MGC Project URL: http://mgc.nci.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (05-NOV-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer
                                                                                                                                            Zhang, L.-H. and Green, E.D.
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1 (bases 1 to 946)
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                Location/Qualifiers
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/protein_id="AAH17318.1"
/db_xref="G1:16878240"
/translation="MMVLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
/translation="MMVLGIAATFCGLFLLPGFALQIQCYQCFGFGKLNSYCISCCN
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/db_xref="taxon:9606"
/clone="MgC:29643 IMAGE:3641660"
/tissue_type="Pancreas, adenocarcinoma"
/clone_lib="NIH_MGC_39"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'note="Vector: pOTB7"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /lab_host="DH10B-R"
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Pred. No. 5.6
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                                                                                                                                                                                                                                                                                                                                                                                Mus musculus
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mus musculus (strain:C57BL) adult female cDNA to mRNA, Mus musculus (strain:C57BL) adult female cDNA to mRNA, Mus musculus (strain:C57BL) adult female cDNA to mRNA, Musculus (strain:C57BL) adult female cDNA to 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (E-mail:khashi@nih.go.jp, URL:http://www.nih.go.jp/yoken/genebank/
Tel:81-3-5285-1111(ex.2120), Fax:81-3-5285-1181)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hashimoto, K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Infectious Diseases, Division of Genetic Resources;
1-chome, Shinjuku-ku, Tokyo 162-8640, Japan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (13-APR-2000) Katsuyuki Hashimoto, National Institute of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Osada, N., Kusuda, J., Tanuma, R., Ito, A., Hirata, M., Sugano, S. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AB041649.1 GI:7670499
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                                                                                                                                                                                                                                                                                                                                                                            of this sequence is reported
/protein_id="BAA95101.1"
/db_xref="G1:7670500"
/db_xref="G1:7670500"
/translation="mwrtgfiaatfcglfwlpglalqiqcrqceefqlnndcsspefiv
/ctranslation="mwrtgfiaatfcglfwlpglalqiqcrqceefqlnsvcisccn
nctranogdmcqkeyfegsagimyrkscassaacliasagyqsfcspgklnsvcisccn
TPLCNGPRPKKRGSSasairpgllTtllffhlalclahc"
                                                                                                                                                                        /clone_lib="Sugano mouse
/dev_stage="adult"
                                                                                                                                                                                                                      /sex="
                                                                                                                                                                                                                                                                                        /strain-"C57BL"
                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                 /note="unnamed protein product"
                                                                                                                                                                                                                        /clone="MNCb-0671"
/sex="female"
                                                                                                             codon_start=
                                                                                                                                                                                                                                                                 db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                          'organism≃"Mus musculus"
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Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                        Submitted (25-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                          Homo sapiens, clone IMAGE:4026092,
BC011449
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                  NIH-MGC Project URL: http://mgc.nci.nih.gov
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                                                                                 CAATCAGCCCTGGGCAGACACGAGCAGGAGAGAGAGAGAAAAAGAAAAACACAGCAT
                                                                                                                                               TGGCCGCAGCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 1620
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GAGAACACAGTAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTG
                                                               CAATCAGCCCTGGGCAGACACGAGCAGGAGGGGGGGGGAGAGAAAAGGAAAAACACAGCAT
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                                                                                                                                                                                                                                                              GCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Institute for Systems Biology
http://www.systemsbiology.org
contact: amadan@systemsbiology.org
Anup Madan, Rachel Dickhoff, Jessica Fahey, Stephanie Ford, Julia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           analysis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /tissue_type="Skin, melanotic melanoma."
/clone_lib="NIH_MGC_20"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                        Insert size: 206000; agarose-fp
Insert size: 212112; sum-of-contigs
Quality coverage: 0.00 in Q20 bases; agarose-fp
Quality coverage: 11.62 in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Parkway, St. Louis, MO 63108, USA (bases 1 to 209885) McPherson, J.D. and Waterston, R.H. Direct Submission
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McPherson, J.D. and Waterston, R.H.
The sequence of Mus musculus clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequencing vector: M13; 0%
Sequencing vector: plasmid; 100%
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On Jul 5, 2002 this sequence version replaced gi:21426614
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 (bases 1 to 209885)
McPherson, J.D. and Waterston, R.H.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: submissions@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Web site:http://genome.wustl.edu/gsc/index.shtml
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                  NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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11331: contig of 11331 bp in length
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                                                                      AGTCATTGAGATACGCATCTGCCTTTCCCAAAGCCTTGAGCTTCCATTCTGTCCCAGTAG
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                                                                                                                                                                                                                                                                                                                                               TTCCCTCCTTTCAAGTAACGCAAGATTGCCGTGCACAAATACTTTTGTAAGCTCTGAACC 65973
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/note="assembly_name:Contigl1"

107485. .209885

/note="assembly_name:Contig12"

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28718. .49454
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11432. .28617
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/chromosome="UNK"
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403 others

Indels

53;

Gaps

12;

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Length 209885;

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                      Eukaryota; Metazoa; Mammalia; Eutheria; 1 (bases 1 to 591)
                                                                                                            Sequence 478 from AX136556
                Ota, T
                                                              Homo sapiens
                                                                           numan
                                                                                                  AX136556.1
                                                                                                                                    AX136556
            Isogai, T., Nishikawa, T., Kawai, Y.,
                                                                                                 GI:14272960
                                                                                                                        Patent
                                   Chordata; Craniata; Vertebrata; Euteleostomi; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                       591 bp
EP1067182.
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             Sugiyama, T. and
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                                                                                                                                          Sequence 1 from AX319942 AX319942.1 GI:1
                                                                                            Eukaryota;
                                                                                                       Homo sapiens
                                                                                                                    human.
                                                                                                                                                                              AX319942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Secretory protein or membrane protein Patent: EP 1067182-A 478 10-JAN-2001;
                                                                                 Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Helix Research Institute (JP)
Location/Qualifiers
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/db_xref="taxon:9606"
198 c 173 g 10
                                                                                           Metazoa;
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61 CAGCCGGGAGCCCGAGCGCGGCGGATGCAGGCTCCGCGAGCGGCAGCCTGCGGCTCCTCTA
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Galvin, K.A. and Rudolph-Owen, L.A. Methods and compositions for the diagnosis cardiovascular and tumorigenic disease usir patent: WO 0181634-A 1 01-NOV-2001; Millennium Pharmaceuticals, Inc. (US)
                                                                                           Chordata; Craniata; Vertebrata; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 550.4; DB 6; Pred. No. 6.6e-117;
                                                                                                                                                                                                                      DNA
                                   using
                                                                                               Hominidae;
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Best Local Similarity 99.3
Matches 511; Conservative
                              ORGANISM
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                                                                                                                                                                                                                                 TACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1638
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                                                                                                                                                                                                                                                                             CCAGTCGTGCTTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTTGGGCATCCAGCA 883
                                                                                                                                                                                                                                                                                                            CCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCA 1603
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                                                                                         Homo sapiens orphan complete cds. AF034633
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                               Homo sapiens
                                               Homo
                                                                            AF034633.1 GI:2654160
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                                              sapiens.
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LLGNSAPIRVTQVLQKKGYLGKEVTDHHVSLACSDILVFLIGHEMEFYSJIWNFLTTS
SYTLSCKLHTFLFEACSYATLLHVTLTSFERY IAJCHPEFYKAVSGPCQVYKLLIGFVW
VTSALVALPLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
VFQSSITEGAFVYLVVLLSVARMCWNMMQVLMKSQKGSLAGGTRPPQLLKSESBESRT
ARROTIFLTLTVTLAVCMMPNQIRRIMAAAKFKHDMTRSYFRAYMILLPESETFFY
LSSVINPLLYTWSSQQFRRVFVQVLCCKLSLGHANHEKKLRVHAHSTTDSARFVQRPL
LFSRRQSSARRTEKIFLSTFQSEAEPQSKSQSLSLESLEPNSGAKPANSAAENGFQE
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/protein_id="CAD19381.1"
/db_xref="GI:17901490"
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/organism="Homo sapiens"
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Pred. No. 3.5e-107;
0; Mismatches 4;
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1124 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGA 1183
                                                                                                                 CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAGCGAGGCGGCAGCAGCAGCACCTGCACGAA 1423
CACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG
                                          CACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGGTTGATGACCGAGCTGAG 1483
                                                                                                                                                                                       GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
                                                                                                                                                                                                               GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTTCGGTGGTGGAGTGCGCATGTACGCG
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                                                                                           CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCAGCACCTGCACGAA
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McKee, K.K., Tan, C.P., Palyha, O.C., Liu, J., Feighner, S.D.,

Hreniuk, D.L., Smith, R.G., Howard, A.D. and Van der Ploeg, L.H.

Cloning and characterization of two human G protein-coupled receptor genes (GPR38 and GPR39) related to the growth hormone secretagogue and neurotensin receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (17-NOV-1997) Biochemistry and Physiology, Merck and Inc., PO Box 2000, Rahway, NJ 07065, USA Location/Qualifiers
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McKee, K.K., Tan, C.P.,
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LLGNASATIRVTGVLOKKGYLOKEVTDHRVSLACSDILVFLIGHMEFYSIIWNFLTTS
SYTLSCKLHTFLFEAGGSVATILLHVTLISFERVIALIGHEFRYKALVGSPGOVKLLIGFWH
VTSALVALPLLFAMGTEYFLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
VFQSSLIFGAFVVLVVLLSVAFMCWNMMQVLMKSGKSLAGGTBALTALLYFSETEFST
ARROTIFFLKLIVYTLAVCMMPNOIRRIMAAAKPKHDWTRSVERAYMTLLFESETEFST
LSSVINPLLYTVSSQQFRRVEVQVLCCRLSIQHANHEKRLRVHAHSTTDSARFVQRPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LFASRRQSSARRTEKIFLSTFQSEAEPQSKSQSLSLESLEPNSGAKPANSAAENGFQE
HEV"
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/db_xref="taxon:9606"
/chromosome="2"
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/db_xref="GI:2654161"
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/dev_stage="fetal"
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Van Der Ploeg,L.H.T. and Howa
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8.5e-107;
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                                                                                                    CCE 1 (Lases 1 to 92874)

RS Muzny, D.M., Adams, C., Adio-Oduola, B., Ali-osman, F.R., Allen, C., Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Barbaria, J., Benton, J., Binge, K., Blankenburg, K., Bonnin, D., Bouck, J., Benton, J., Binge, K., Blankenburg, K., Bonnin, D., Barbaria, J., Benton, J., Birger, K., E., Brown, M., Bryant, N.P., Bouck, J., Bouck, J., Burch, P., Burkett, C., Byrd, N.C., Chen, G., Chen, G., Chen, G., Chen, R., Chen, Z., Chowlard, S., Durbin, K.J., David, R., David, R., David, R., Chen, Z., Chowlard, J., Dathorne, S.R., David, R., Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H. H., Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H. H., Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H. H., Delaney, K.R., David, R., David, R., David, R., Delgar, D., Elagy, N., Eord, J., Escotto, M., Earnhart, C., Edgar, D., Edgar, D., Edwards, C.C., Elhaj, C., Escotto, M., Falls, T., Ferraguto, D., Flagy, N., Ford, J., Escotto, M., Falls, T., Ferraguto, D., Flagy, N., Ford, J., Escotto, M., Falls, T., Ferraguto, D., Flagy, N., Ford, J., Foster, P., Frantz, P., Gabisi, A., Gao, J., Garcia, A., Garner, T., Garza, N., Gill, R., Falls, T., Howard, S., Huber, J., Hale, S., Hamilton, K., Hernandez, O., Hodgson, A., Hogues, M., Holloway, C., Hollins, B., Homsti, S., Howard, S., Huber, J., Jolivet, S., Joudah, S., Kratylo, J., Kureshi, A., Landry, N., King, L., Korvah, J., Kovar, C., Kratylo, J., Kureshi, A., Fandry, N., Leal, B., Lewis, L.C., Lewis, L., L., Lordado, R.J., Lucler, A., Lucler, R., Martindale, A., Martinez, E., Marten, M., Morris, S., Marten, M., Nowen, N., Weis, N., Neil, M., Morris, S., Marten, M., Stanley, H., Stone, H., Ston
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   Submitted (19-FEB-2002) Human Genome Sequencing Center, Department
                           Direct Submission
                                            Worley, K.C.
                                                                                             Direct Submission
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AC112072.3 GI:21744373
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                                                                            Unpublished
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Mammalia; Eutheria;
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Sciurognathi; Muridae; Murinae;
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AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (17-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA On Jul 13, 2002 this sequence version replaced g1:20303189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Worley, K.C.
Direct Submission
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Baylor Plaza, Houston, TX 77030, USA
3 (bases 1 to 92874)
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NOTE: This is a 'working draft' sequence. It currently consists of 50 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.

This record will be updated with the finished sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                as soon as it is available and the accession number be preserved.
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Consensus quality: 32512 bases at least Q40
Consensus quality: 34515 bases at least Q30
Consensus quality: 35930 bases at least Q20
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Center clone name: CH230-286021
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	759 CACCACGATCAGTCCTGGGCAGGCGAGAAGAGGAGAAAAAGGAGA-CGGGGAGAAAAA	Db 75
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75638	579 CTGCTGAGAAGACACGTTGTGAGAGAAGAGTGACCACGGAGCTGAGAAGAA	7
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1435 75578	1376 GTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCAC	Qy 1 Db 75
1375 75518	316 GCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTC	ОУ ¹ рь 75
1315 75458	262 AATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGG	Qy 1 Db 75
1261 75398	205 ACTCAATGACTGGGACTTAGACTGGGGIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	7
	145 ACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG	7
1144 75278	1085 GGAGGGCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAA 	Qy 1 Db 75
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972 75099	913 GAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAG	Qу Db 75
912 75039		Qy Db 74
852 74979	793 GAGCGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATG.	Qу рь 74
792 74919	734 CCCCAACCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAG-G	Оу Db 74
733 74866		Qу Db 74
673 74809	614 TCGGCCCTCAGGCCAGGCTCCGCACCATCCTGTTCCTCAAATTAGCCCTGTTCTCCG	Qy Db 74

CAACGGGCGCTGCACAAAGCGGGCCTGTCGGTTGTGAACGCGGCGTTGTCGACAGAACGCGGCCTTCGGTTGTGAACTTCTTCGGTTGTGAACTTGTCGTTGTGAACTTCTTGGGTTGTGAACTTCTTGGGTTGGAACTTGTCGTTGTGAACTTGTCGTTGTGAACTTGTCGTTGTGAACTTGTCGAACTTCGTTGTGGAACACGGGAAACTTTTTCAGTGTAAACCATTTTTCAGTGAAACTGTTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAACCAATTTTTCAGTGTAAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCATTACAGAAACCAATTTTTCAGTGTAAAAACCATTACAGAAACCAATTTTTCAGTGTTAAAAACCATTACATTACAGAAACCAATTTTTCAGTGTTAAAAACCAATTACAGAAACCAATTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTCAGTGTTTTTCAGTGTTTTTCAGTGTTTTTCAGTTGTTTTTCAGTTGTTTTTCAGTTGTTTTCAGTTGTTTTTCAGTTGTTTTTTTT	JOURNAL PATCHT: EP 1067182-A 620 10-7AN-2001; FEATURES SOURCE 1.587 /organism-"Homo sapiens" /db_xref-"taxon:9606" BASE COUNT 117 a 162 c 140 g 162 t 6 others ORIGIN Query Match Best Local Similarity 92.1%; pred. No. 1.1e-100;	ULT 15 36698/c NS AX136698 AX136698 ESSION AX136698 AX136698.1 GI:14273102 WORDS RCE Homo sapiens ELUKaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Ho ERENCE 1 (bases 1 to 587) UTHORS Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Sugiyama,T. TILE Secretory protein or membrana protein		AGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTT
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Search completed: November 7, 2002, 13:45:08 Job time : $5311.61 \ secs$

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ALIGNMENTS

RESULT 1 ABT03284 ID ABT(14-NOV-2000; 2000US-0713550 03-APR-2001; 2001US-0825294 02-OCT-2001; 2001US-0970966 Novel ovarian cancer polypeptide and polynucleotide, useful for WPI; 2002-500186/53. cytostatic; gene; ss Human ovarian carcinoma associated coding sequence SEQ ID NO: 05-SEP-2002 (first entry) Xu J, (CORI-) CORIXA CORP. 13-NOV-2001; 2001WO-US45395 23-MAY-2002 WO200239885-A2 Homo sapiens. Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy; ABT03284 standard; cDNA; 1897 BP. Stolk JA, Algate PA, Fling SP, Molesh DA 214.

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Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 1897; Conservative
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                                                                            The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC of the entire desired gene or gene fragments, and for designing and CC polypeptides in tumour cells. Polypeptides and polynucleotides of the presence of the complementary stretches CC invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current CC sequence represents the ovarian carcinoma 01034C/0591S consensus
                          Matches 1897;
                                     Query Match
Best Local
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                                Human; secreted protein; diagnosis; immunosuppressive; antiarthritic; antiprolliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; ophthalmological; gene therapy; autoimmune disease; neoplasm; rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia; angiogenesis; nervous system disorder; Alzheimer's disease; infection; angiogenesis; nervous system disorder; Alzheimer's disease; infection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  used to prevent, treat or ameliorate a medical condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used in diagnosing a pathological condition or susceptibility to a pathological condition. Disorders which are diagnosed or treated include
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to AAB63182. AAB63183 to AAB63231 represent more human secreted proteins and polypeptides homologous to them. Human secreted proteins have activities based on the tissues and cells the genes are expressed in. Examples of activities include: immunosuppressive; antiarthritic; antihremmatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; and ophthalmological. The polynucleotides and proteins can be used to prevent, treat or ameliorate a medical condition in e.g. humans,
                                                                                                                                           1893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 440; 533pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-APR-1999; 99US-0128694.
20-JAN-2000; 2000US-0176931.
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CGCTGCAGCCGGGGCAGCCTCCGCTGCTGCCCTCTGATGCGCCTTGCCCTCTCCCG
                                                                                                 AGCTACGACCGTCGTCTCCGCGGCAGCAGCGCGCGCGCCCCAGCAGCCTCGGCAGCCACAGC 180
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                                                            AGCTACGACCGTCGTCTCCGCGGCAGCAGCGGGCCCCAGCAGCCTCGGCAGCCACAGC
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                                                                                                                                                                                                                                                                                                                          Similarity
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                                                                                                                                                                                                                                                                                                                                                                                    1953 BP;
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99.7%;
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Pred. No. 0;
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                                               AAATCTTCTCAGTTCTCCTTGCAGAGGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCT
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                                                                                             CGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGA
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Komatsoulis GA;

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RESULT 4
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ID AAF641
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XX AAF641
XX AAF641
XX Human
XX Human;
KW Human;
KW nootro
KW nootro
KW nopthal
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                                                                                                                                                                                          Human; secreted protein; immunosuppressive; antiarthritic; antirheumatic antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungloide; opthalmalogical; vulnerary; autoimmune disease; cardiovascular disorder; hyperproliferative disorders; cerebrovascular disorder; wound healing;
                                                                                                                                                                                                                                                             Human secreted protein gene 13
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                                                                 11-JUN-1999;
                                                                                                                                WO200077026-A1
                                                                                                                                                                                                                                                                                  06-APR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                               AAF64188
                               (HUMA-) HUMAN
(ROSE/) ROSEN
                                                                                      01-JUN-2000; 2000WO-US14973.
                                                                                                          21-DEC-2000.
                                                                                                                                                                                     nervous system disorder;
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                                           SCI INC
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                                                                                                                                                                                   ageing; chemotaxis;
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Nucleic acid molecules encoding human secreted proteins, used in preventing, treating or ameliorating a disorder, e.g. Alzheimer's and Parkinson's diseases and cancers -
                                                                                                                                                                           WPI; 2001-071258/08.
P-PSDB; AAB75518.
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Claim 1; Page 443-444; 542pp; English.

expressed, examples of these activities include, immunosuppressive; antiarthritic; antiheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; mootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; and vulnerary. The proteins, polynucleotides, agonists and antagonists can be used to treat or detect or diagnose various diseases and disorders including, autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiavascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders. e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. Included in the invention are polypucleotide sequences AAF64167. AAF64175 and peptide AAF5505 which Human secreted proteins AAB75506 - AAB75554 are encoded by polynucleotide sequences AAF64176 - AAF64224. The specification includes amino acid sequences AAB75555 - AAB75606 which represent fragments of the human secreted proteins, and protein sequences with which they share homology. The proteins and polynucleotides, their agonists and antagonists have activities dependent on the tissues and cells in which they are proteins of the the isolation, identification and characterisation the invention.

Sequence 1956 BP; 430 A; 543 C; 524 G; 456 T; 3 other;

Query Match Best Local Similarity

97.3**%**; 99.8**%**;

Score 1845.8; Pred. No. 0;

DB 22; Length 1956;

Ş В 밁 Š 밁 Ş 밁 Ş 밁 Š 밁 Qy В Š 밁 8 Matches 1856; 1515 1755 1935 1575 1635 1695 1815 1875 439 379 319 259 199 139 79 19 GGTGCTCGGCCCGGGAGCGCGAGCGGGAGCAGAGACCCGCAGCCGGGAGCCCGAGCG 78 GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCAGCCTGTCTCATCAC 498 GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCC CTCCGCTGCTGCTCCCTCTGATGCGCTTGCCCTCTCCCGGCCCCGGGACTCCGGGAG GGTGCTCGGCCCGGGAGCGCGAGCGGAGGAGCAGAGCCCGCAGCCGGAGCCCGAGCC CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTAAGCTACGACCGTCGTCTC 138 GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC CGCGGCAGCAGCGGGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCAGC 198 Conservative 2; Mismatches 1; Indels 1; Gaps 1576 378 1636 318 1696 258 1756 1816 1876 1;

377		3	Db 1
1578	GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATC	ب	0ν
437		49	Db -1
_	GAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATC	υı	0
497		55	Db :
1458	GCGGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTAC	ف	ρy
U		61	da -
1398	GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAC	1339	γo
617	TTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGCGCTGCACAAAGCGGGCGCTGT	676	Db
1338	TGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTG	1279	Qy
677	ACTTAGACTGGGGCTCGGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC	736	рь
1278	CTTAGACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTC	1219	Qy
737	CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG	796	рb
1218	AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGG	1159	Qy
797	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAAACCATTCTCTGCAG	856	рь
1158	ACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCA	1099	Qy
857	GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	916	Db
1098	GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTT	1039	Qy
917	GAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGG	976	рь
1038	CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCCTCCAGTGTCCATTCCATCCCTGATG	979	Qy
977	TTAGAA	1036	ф
978	CACCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAG	919	Qy
1037	ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT	1096	Дb
918	AAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAA	859	Qy
1097	GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA	1156	Db
858	AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTG	799	Qy
1157	ACCCCCACCTCCCTGAGTGTCTTCTTCTGGGTGTCCTTTAFTCTGGGTAGGGAGCGG	1216	Дb
798	CCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCG	739	Qy
1217	CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA	1276	Dъ
738	TGCTGAAGCTGAAGGAGATGCCACCCCCCCCCTCCTGCATTGTTCTTCCAGCCCCTCGCCCC	679	Оу
1277	CCTCAGG-CAGGCCCCCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA	1335	ДĎ
678	CTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCAC	619	Qy
1336	CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCNAAGAAAAGGGGAAGTTCTGCCTCGGC	1395	Дb
618	TGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGG	559	Qy
ш			Дb
558	TCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGC	499	Qy

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RESULT 5
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ID AAF93845
AC AAF93845

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                                                                    which encode human secretory or membrane proteins represented by AAB88417 - AAB88419. Included in the invention are primers AAB89317 - AAF92393 - AAF92393 - AAF92393 which are used to isolate the cDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays
(e.g. polymerase chain reactions (PCR)) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also used to study the expression and function of secretory proteins/memba
                                                                                                                                                                                                                                                                                                                                                                                             This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nucleic acids encoding secretory proteins/membrane proteins, useful gene therapy or as candidate target molecules in drug development -
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rheumatoid arthritis; diabetes; ss.
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1890 BP; 419 A;
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03-APR-2001;
02-OCT-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel ovarian cancer polypeptide and polynucleotide, useful fidetecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovar
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                                                                                                                                                                                                                                                                                                                                                                                                     Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
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The invention relates to ovarian tumour polynucleotides and polypeptide that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their
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07-SEP-2000;
14-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the ovarian carcinoma 0591s nucleotide sequence.
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ALGATE P A.
FLING S P.
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                                   The invention relates to one hundred and twenty two nucleic acids encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides encode human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
                                                                                                                                                                                                      One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumou such as lung cancer, colon cancer, breast tumour, prostate tumour, tumour or liver tumour -
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Pred. No. 0;
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the proliferation or differentiation of chondrocyte cells, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABK33536-ABK33657 represent human PRO protein coding sequences of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1524 BP; 321 A; 433 C; 435 G; 335 T; 0 other;
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                            CACCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAGT
                                                                                                                                   TAAATTCAGCYTGAACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGGTGGAGTGAAAGTT
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                                                                                                              gastrointestinal disorder; urinary system disorder; drug gene therapy; chromosome mapping; forensic analysis; antibody preparation; cytostatic; immunomodulatory; neuro antiinflammatory; gynaecological; reproductive; chromosor
                                                                                                                                                                                                                                                                                                                                      Human ovarian antigen HVCAG04 cDNA, SEQ ID NO:111.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABQ54231 standard; cDNA; 1608
                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                             22-AUG-2002 (first entry)
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                                                                                                              immunomodulatory; neuroprotective, reproductive; chromosome 2q21-22;
                                                                                                                                                                        screening;
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CACCCCTCTTTGTAACGGGCCAAGG-CCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAG CACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGGAAGTTCTGCCTCGGCCCTCAG CGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAA

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Matches 1428; Query Match

Conservative

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Indels

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504

74.18; 99.68;

Score 1405.6; Pred. No. 0; Mismatches

DB 24; Length

1608; 2 Gaps

Local Similarity

Sequence

1608 BP;

402 A; 402 C; 417 G;

381 T; 6 other;

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161 505 101

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Copolynucleotides, antibodies against human ovarian antigens, and the use of ovarian antigen polynucleotides and polypeptides in diagnosing, correcting, prognosing or preventing various ovary and/or breast related disorders. Such conditions include ovarian cancer and breast cancer, and converted the converted system consistence of pregnancy, anovulation, copolycystic ovary syndrome, ovarian cysts, and dysmenorrhoea), endocrine consistence of shock syndrome, inflammatory conditions (e.g., mastitis, coponations (e.g., chlamydia, HTV, toxoplasmosis, and toxic shock syndrome), inflammatory conditions (e.g., mastitis, coponatitis and coponatitis, immune disorders (e.g., congenital and acquired communodeficiencies, autoimmune cophoritis, systemic lupus erythematosus), blood-related disorders (e.g., anaemia), cardiovascular disorders, crespiratory disorders, neurological disorders, gastrointestinal disorders (e.g., moullate ovarian antigen polypeptides and copolynucleotides may also be used in screening for compounds which compounds to varian antigen expression or activity. The polynucleotides may coponate of individuals and in forensic analysis, and the correction of individuals and in forensic analysis, and the coponation of individuals and in forensic analysis, and the coponation of individuals and in forensic analysis, and the coponation of individuals and in forensic analysis, and the coponation of individuals and in forensic analysis, and the coponation of individuals and in forensic analysis, and the coponation of the present coponation of the present coponation of the presents converted the present coponation of the present coponation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to 2175 novel human ovarian antigens (ABP41054-ABP4228) and to cDNAs encoding them (ABC54131-ABG56305), and also encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to recombinant vectors and host cells comprising human ovarian antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and neurological diseases
                                                                          Note: The sequence data for this patent did not form specification, but was obtained in electronic format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID No 111; 2922pp; English.
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                                                ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                  The present invention relates to a method for identifying a nucleic acid molecule (G protein coupled receptor gene, GPCR 4941) associated with a cardiovascular or tumourigenic disorder. The method comprising contacting a sample containing a nucleic acid molecule with a hybridisation probe or amplification primers and detecting the presence. The invention is used in gene therapy. The method of the invention is used for identifying nucleic acids or polypeptides associated with a cardiovascular or tumourigenic disorder such as aberrant angiogenessis, aberrant archaemics.
                      vascularisation, artherosclerosis, or ovarian cancer, ischaemia/ reperfusion injury, hypertension, restensis, arterial inflammation, endothelial cell disorders, diabetic retinopathy, psoriasis, myocardial infarction, Grave's disease and leukaemia. The methods can also detect mRNA or genomic DNA in a sample. The present sequence is G protein coupled receptor (GPCR) 4941 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; cardiovascular; tumourigenic disorder; aberrant angiogenesis; gene therapy; aberrant vascularisation; artherosclerosis; ovarian cance; ischaemia/reperfusion injury; hypertension; arterial inflammation; psoriasis; endothelial cell disorder; diabetic retinopathy; restenosis; myocardial infarction; Grave's disease; G protein coupled receptor; GPCR 4941; vasotropic; hypotensive; antiinflammatory; cytostatic; antidiabetic; antipsoriatic; leukaemia; ss.
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09-AUG-2000;
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/note= "The CDS is specifically claimed
the specification"
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                                     ATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACT
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Query Match Best Local Sim Matches 624;

Similarity

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Score 624;

DB 24;

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Pred. No. 1.5e-145; 0; Mismatches 1;

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                                           The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence of the invention.
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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                                                                                                                                                                                         Ovarian carcinoma O1034C EST clone nucleotide sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CC The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC athulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC polypeptides in tumour cells. Polypeptides and polynucleotides of the current CC expression of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 625 BP; 182 A; 144 C; 182 G; 116 T; 1 other;
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                                                                                                          and immunostimulants; and a polypeptide (II) of a ovarian tumour complete (III) and a polypeptide (III) of a ovarian tumour complete (III) from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell compulation of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises (CC contacting a biological sample from a patient with (IV), detecting the amount to follynucleotide hybridising to (IV) and comparing the amount to CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC aptient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells CC with (III) or (III) (III) is useful in design and preparation of cells cutoble library e.g., a tumour cDNA library using well known techniques.
                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID 10876; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
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                                                                 Sequence 625
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Search completed: November Job time: 384.511 secs 7, 2002, 10:10:41

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National Institutes of Health, Manmalian Gene Collection (MGC)

National Institutes of Health, Manmalian Gene Collection (MGC)

National Institutes of Health, Manmalian Gene Collection (MGC)

Lonatic: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: Life Technologies, Inc.

CDNA Library Preparation: Life Technologies, Inc.

CDNA Library Pre
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BE350014 ht07g12.x
AW338938 ha68h04.x
BI913989 603180565
BF726459 by06h03.y
AL538562 AL538562
B0689033 AGENCOURT
AI336858 qx86g11.x
AW149665 xf40h05.x
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AW075598 xb24e07.x
BE731003 601570968
BE730800 601570755
AI150931 qb53c04.x
BE336607 bb68e04.y
BF126050 601762088
BF125134 6017620356
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AI391683 qy93f04.x
AI499630 to03b07.x
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BF439382 nab63g06.
BQ882B38 AGENCOURT
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BF594242 7n10d03.x
AI990500 ws40d07.x
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AI018769 ov32e04.x
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                                                                                                                     CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCC
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/note="Oygan: brain; Vector: pCMV-SPORT6; Site_1: NotI;
/note="Oygan: brain; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: ECORV (destroyed); RNA source anonymous pool of 3
fetal brains, female age 20 weeks, female age 24 weeks,
and male age 26 weeks. Library is oligo-dT primed and
directionally cloned (ECORV site is destroyed upon
cloning). Average insert size 1.7 kb, insert size range
0.7-3.5 kb. Library is normalized and enriched for
full-length clones and was constructed by C. Gruber
(Invitrogen). Research Genetics tracking code 017. Note:
this is a NIH_MGC Library."
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                       GCTCGGCCTCGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTGCAGAGGACT 1290
                                                                                                                                                                                                                                                                                     CCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTG
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GCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACT
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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Location/Qualifiers
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http://image.llnl.gov
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
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/db_xref="taxon:9606"
/clone="IMAGE:6248684"
/clone=lib="NIFL_MGC_110"
/tissue_type="ductal_carcinoma, cell line"
/tissue_type="ductal_carcinoma, cell line"
/lab_host="D10B (phage-resistant)"
/lab_host="D10B (phage-resistant)"
/note="Organ: pancreas; Vector: pOTB7; Site_1: XhoI;
Site_2: EcoR1; cDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GGCACGAG(G). Library constructed by
Ling Hong in the laboratory of Gerald M. Rubin (University
of California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies).
Note: this is a NIH_MGC Library."
17 a 219 c 264 g 187 t 1 others
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cDNA Library preparation: Dr. M. Bento Soares, University of Iowa CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution: Clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mammalia; Eutheria; Primates; Catarrhini; Hon 1 (bases 1 to 702) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
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Tissue Procurement: Dr. Jose Mercuende
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                                                                                                                                synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT7T3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /lab_host="DH10B (Life Technologies)"
/note="Organ: Left Pelvis; Vector: pT7T3-Pac (Pharmacia)
/note="Organ: Left Pelvis; Vector: pT7T3-Pac (Pharmacia)
/note="Organ: Left Pelvis; Vector: pT7T3-Pac (Pharmacia)
//note="Organ: Left Pelvis; Vector: pT7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   following tissue(s): Chondrosarcoma. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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                 CTGCAACACCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTC
                                                           CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 558
                                                                                                                      GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC 498
                                                                                                                                                                                  CGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGGAAGTGATGGA 438
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                                                                                                        GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC
                                                                                                                                                                                                                            GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC 423
                                                                                                                                                                                                                                                                                        AATGTGGGTCCTAGGCATCGCGGCAACTTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC
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                                                                                                                                                                   Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
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/db_xref="taxon:9606"
/clone="IMAGE:5245648"
/clone_lib="NIH_MGC_121"
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CAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTT 1468
                                                                   GTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCA
                                                                                                                                      GTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCA 1408
                                                                                                                                                                                                         CTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGA
                                                                                                                                                                                                                                                                            CTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGA 1348
                                                                                                                                                                                                                                                                                                                                               GGGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAAGGA
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Tissue Procurement: ATCC/DCTD/DTP
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National Institutes of Health, Mammalian
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/clone="IMAGE:3617696"
/clone_lib="NIH_MGC_20"
/tissue_type="melanotic melanoma"
/lab_host="DH10B (phage-resistant)"
/note="Oygan: skin; Vector: pOTB7; Site_1: xho1; Site_2:
/note="Oygan: poTB7; Site_1: xho1; Site_2: xho1; Sit
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5', mRNA sequence.
BM547660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINL) DNA Sequencing by: Agencourt Bloscience Corporation Clone distribution: MGC clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at: http://image.linl.gov http://image.linl.gov: h column: 07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Invitrogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished (1999)
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1 (bases 1 to 696)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammallan
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                                                                                               Similarity
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                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    quality sequence stop: 641.
                                                                                                                                                                 /note="Organ: brain; Vector: pCMV-SPORT6; Site_1: ECORY (destroyed); Site_2: NotI; RNA source male hippocampus, age 27. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 0.9-4 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 012."

134 t 17 others
                                                                                                                                                                                                                                                                                                                                                                                        /organism-"Homo sapiens"
/db_xref-"taxon:9606"
/clone-"IMAGE:5727798"
                                                                                                                                                                                                                                                                                                                                    /tissue_type="hippocampus"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                        /clone_lib="NIH_MGC_124"
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocation/Qualifiers
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                                                                        Score 586; DB Pred. No. 0; 0; Mismatches
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High quality sequence stop:
Location/Qualifiers
                              found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: LLCM2457 row: m column: 10
                                                                                                                                                        Contact: Robert Strausberg, Email: cgapbs-r@mail.nih.gov Tissue Procurement: ATCC
                                                                                                                                                                                                            Unpublished (1999
                                                                                                                                                                                                                     NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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                                                                               CDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
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/organism="Homo sapiens" /db_xref="taxon:9606"

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RESULT 8
AI884686/c
                                                                                             ACCESSION
VERSION
                                                                                                                                                                      LOCUS
DEFINITION
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AI884686.1
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w183d07.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2431501
similar to SW:GP39_HUMAN 043194 DUTATIVE G PROTEIN-COUPLED RECE
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                          Homo sapiens
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/clone_TID="NNH_MGC_102"
/tissue_type="epidermoid carcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
/note="Organ: salivary gland; vector: pOTB7; Site_1: XhoI;
Site_2: EcoRI; cDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GGCACGAG(G). Library constructed
by Ling Hong in the laboratory of Gerald M. Rubin
(University of California, Berkeley) using ZAP-CDNA
synthesis kit (Stratagene) and Superscript II RT (Life
Technologies). Note: this is a NIH_MGC Library."

96 a 314 c 285 g 191 t 1 others
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1560 TTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACA 1619
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hes 556; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT
                                                      GAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT 1559
                                                                                                            TGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCC
                                                                                                                                                TGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCC 1499
                                                                                                                                                                                    TTGGCGTGCTGCAGCGACAGGCGGCAGCACCAGCACCTGCACGAACACCCGGCGAAACTGC
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                                                                                                                                                                                                                                                                                                                                  AAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGC
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NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
Unpublished (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1462 Std Error: 0.00
Seg primer: -40Up from Gibco
High quality sequence stop: 444.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Clone distribution: NCI-CGAP clone distribution found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bonaldo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        T 3'); double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library is normalized, and was constructed by Bento
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2431501"
/clone_lib="NCI_CGAP_Brn25"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
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